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BY JAMES DAVIS AND LLOYD POSEY, JR.

Fisheries Biologists

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STATE OF LOUISIANA

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RELATIVE SELECTIVITY OF FRESHWATER COMMERCIAL FISHING DEVICES USED IN LOUISIANA[1]

James T. Davis[2]

Lloyd E. Posey, Jr.[3]

In 1955 this study was conceived to find the effects of commercial fishing gear on both sport and commercial species in the State of Louisiana. This study should be of value to the state in setting up fish management procedures. In addition it may serve as a help or guide to subsequent studies in adjoining areas.

The writers are indebted to Mr. Harry E. Schafer, Jr. for his advice and suggestions during the preparation of this paper and to Mr. Ben Leeper of the Remington-Rand Corporation for his advice and help in analyzing these data thru Univac. The following persons at the time employed by Louisiana Wildlife and Fisheries Commission aided in the collection and preparation of data: Mr. John Barrileaux, assistant project leader 1956, Mr. George Wilhite, Mr. N. H. White, Mr. Jack White, Mr. Loyal Laster, Mr. Robert Boles, Mr. Raymond Jones, Mr. John B. Spillmon, Mrs. Theresa Ames, Mrs. Bessie Anderson, and Mrs. Janice Hughes. Mr. Donald Geagan and Mr. Victor Lambou contributed most of the rotenone sample data. Dr. Willis S. Hardcastle and the senior author took the photographs found in the report.

For those readers desiring the full technical data and report a supplement is available upon request.

MATERIALS AND METHODS

Fish collections made from January 1956 thru April 1958 are reported in this paper. All areas fished are shown in Figure I and described in Table I. The study areas were sampled on an average of five times during the study period. Therefore, most nets were fished approximately three times at their randomly assigned stations.

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[1] Contribution from Dingell-Johnson Project F-5-R, State of Louisiana.

[2] Project Leader, Fisheries Biologist, Louisiana Wildlife & Fisheries Commission.

[3] Assistant Project Leader, Biologist, Louisiana Wildlife & Fisheries Commission.

Hoop nets and traps were fished in both streams and lakes. Trammel and gill nets were fished only in lakes and bays. Seines and trotlines are not reported in this paper but will appear subsequently.

Mesh size throughout the paper is in inches and knot center square measure. Approximate stretch sizes may be obtained by multiplying by two.

Twine sizes referred to in this report are shown in Figure III and described in Table II.

The following devices were used during this study:

Trammel nets, length 100 yards, depth 8 feet, Mesh sizes 1-4 inches by ½ inch, 11 twine sizes.

Gill nets, length 100 yards, depth 8 feet, Mesh sizes 1-4 ½ inches by ½ inch, 11 twine sizes.

Hoop nets, 1-2 ½ inch mesh by ½ inch, steel or wood hoops, 3-5 foot hoop sizes, 2-3 flues.

Wire traps, 1 inch mesh poultry wire, 1 throat, 2 ½ foot hoops, with trap door in rear.

Basket traps, ¼-2 ½ inch openings, single throat.

Trotlines (not reported) Hook size 1-10, straight or angled shank.

Seines (not reported) mesh size 1-3 inches, varying lengths and depths.

The number of each kind of fish caught, total lengths and weights of individuals and length of time fished were recorded separately for each item of gear used. Hoop diameters were recorded for all hoop nets but are not reported separately for this study.

Rotenone samples were taken for comparison in most lakes and a portion of the streams under study. These were one-acre samples taken by surrounding the area with a 1-inch-mesh seine and applying one part per million of five per cent rotenone inside the net. All fish collected by this

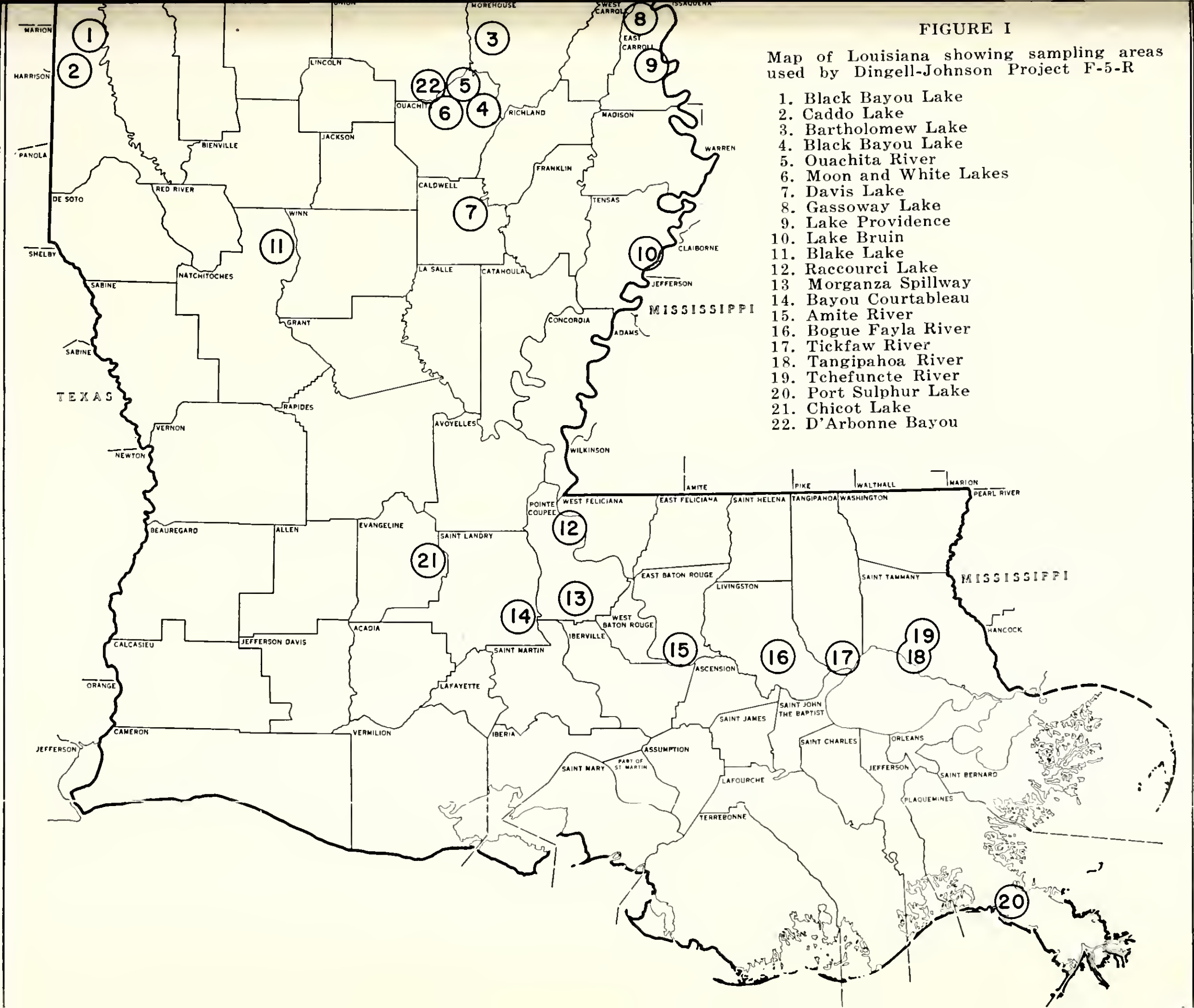

FIGURE I

Map of Louisiana showing sampling areas used by Dingell-Johnson Project F-5-R

1. Black Bayou Lake
2. Caddo Lake
3. Bartholomew Lake
4. Black Bayou Lake
5. Ouachita River
6. Moon and White Lakes
7. Davis Lake
8. Gassoway Lake
9. Lake Providence
10. Lake Bruin
11. Blake Lake
12. Raccourci Lake
13 Morganza Spillway
14. Bayou Courtableau
15. Amite River
16. Bogue Fayla River
17. Tickfaw River
18. Tangipahoa River
19. Tchefuncte River
20. Port Sulphur Lake
21. Chicot Lake
22. D'Arbonne Bayou

TABLE I

Part I—LAKES

Name	Surface Acreage	Average Depth	Type	Remarks
Black Bayou Lake (Caddo Parish)	3,960	4.5′	Impoundment	
Caddo Lake (Caddo Parish)	32,700	5.4′	Impoundment	
Black Lake	13,800	7.1′	Impoundment	
Bartholomew Lake (Morehouse Parish)	826	8.3′	Impoundment	Cut-off of Bayou Bartholomew.
Chicot Lake	1,625	6.0′	Impoundment	Heavy infestation of aquatic plants.
Port Sulphur Co. Impoundments	1,150	6.2′	Impoundment	
Bayou DeSiard	1,290	8.1′	Impoundment	
Black Bayou (Ouachita Parish)	625	4.0′	Impoundment	
Bayou Courtableau Cut-Off	....	....	Impoundment	
Lake Providence	1,396	16.9′	River Ox-bow	
Gassoway Lake	....	4.0′	River Ox-bow	
Lake Bruin	2,765	19.0′	River Ox-bow	
Old River (Raccourci Lake)	....	10.0′	River Ox-bow	

Moon Lake (Ouachita Parish)	12	depth affected by river stage	River Lake	
White Lake	9	depth affected by river stage	River Lake	
Davis Lake	182	12.0′	Impoundment	Ouachita River Lake that has been impounded.
Morganza Pitts	....	....	Borrow Pits	Series of pits located in Morganza Floodway.

Part II—RIVERS AND BAYOUS

Name	Approx. Drainage Area At Gauge	Av. Discharge At Gauge	Approx. Depth At Sample Sta.	Remarks
Bayou D'Arbonne	1,585 sq. mi. @ Farmerville	....	12′ @ Pool Stage	
Ouachita River	15,298 sq. mi. @ Monroe	26,795 CFS	8′ @ Pool Stage	Sampled from river mile 80-182.
Tangipahoa River	646 sq. mi. @ Robert	1,109 CFS		Depth affected by tides.
Tchefuncte River	95.5 sq. mi. @ Highway 40	173 CFS		Depth affected by tides.
Amite River	1,330 sq. mi. @ Denham Springs	1,962 CFS		Depth affected by tides.
Comite	149 sq. mi. @ Olive Branch	245 CFS		Tributary of Amite River.
Bogue Falaya	Indeterminate	Indeterminate		Tributary of Tchefuncte River.

FIGURE II

A typical Louisiana Lake showing areas where trammel and gill nets are usually fished.

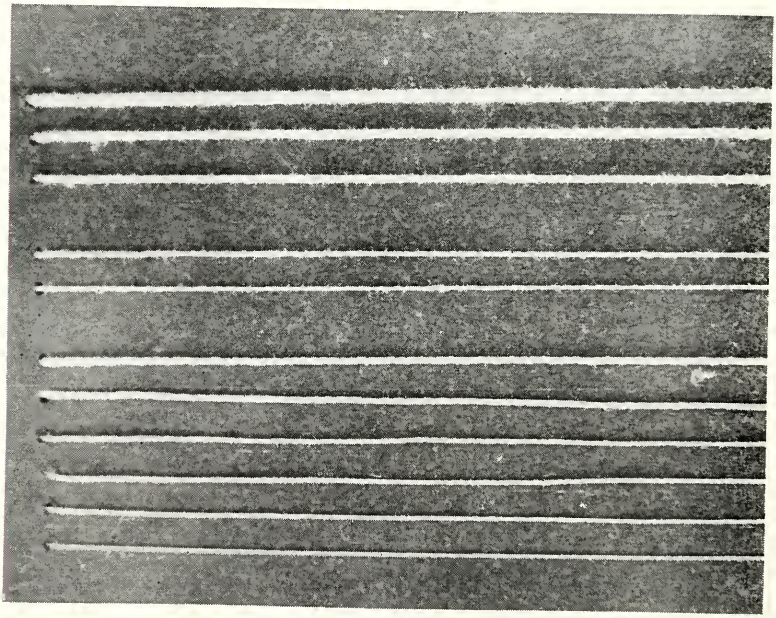

FIGURE III

Relative sizes of twines used in construction of trammel and gill nets. 0.9 times actual size. From the top #69 bonded nylon, #104 bonded nylon, #139 bonded nylon, #208 bonded nylon, #277 bonded nylon, #346 bonded nylon, 35/3 linen, 18/3 linen, 20/6 cotton, 20/9 cotton, 20/12 cotton.

TABLE II

Description of Twines Used in Construction of Trammel and Gill Nets

Twine	Diameter In mm.	Breaking Strength In Pounds	Remarks
69 bonded nylon	0.17	6.0	Will deteriorate if dried in hot sun.
104 bonded nylon	0.26	13.0	Will deteriorate if dried in hot sun.
139 bonded nylon	0.31	19.5	Will deteriorate if dried in hot sun.
208 bonded nylon	0.37	26.0	Will deteriorate if dried in hot sun.
277 bonded nylon	0.58	35.0	Will deteriorate if dried in hot sun.
346 bonded nylon	0.61	44.0	Will deteriorate if dried in hot sun.
35/3 Linen	0.23	10.5	Usually treated to prolong life.
18/3 Linen	0.34	16.0	Usually treated to prolong life.
20/6 Cotton	0.58	12.5	Contains 6 strands of #20 thread.
20/9 Cotton	0.89	18.0	Contains 9 strands of #20 thread.
20/12 Cotton	1.13	24.5	Contains 12 strands of #20 thread.

method were weighed and measured. These data may be found in the supplement.

In some cases it is not possible to tell by inspection whether there is a significant difference in either the size or numbers of fish caught in a net. In these cases we must resort to statistical analysis.

Twelve species of fish were chosen for analysis purposes. Two of them, spotted gar and gizzard shad, were analyzed for catch per unit effort only. The remaining ten species were analyzed for both differences in catch and differences in average length. Significant differences in total numbers of fish caught were determined by chi-square analysis. The t-test was used to determine significant differences in lengths of fish caught in different nets. These formulas and their methods of application are contained in the supplement.

Common and Scientific names of fish caught are listed in Table III.

COMMERCIAL FISHING IN LOUISIANA

License figures show that approximately 7,000 fresh water commercial fishing licenses were sold during 1956. The exact number of fishermen represented is not presently available but is estimated at slightly under 4,000. A portion of these people derive only a portion of their income from the sale of commercial fish. The value of the total catch within the state has been variously estimated but probably lies between 3½ and 4 million dollars per year.

TRAMMEL NETS

The trammel net is composed of three separate nets attached to a single float line on top and a single weighted bottom line. The net can be made to sink or float at any depth by the addition of extra weights or floats. Due to this construction the net will remain upright in light current or still waters. The two outside nets are of large mesh, 6-16 inches, and usually of #6 or larger twine. The inner net is of small mesh and is very loose within the two outside nets. For most trammel nets the inner net is ½ deeper than the outer nets. For project work the inner net was 12 feet deep and the outer nets 8 feet deep for an overall depth of 8 feet, Figure IV.

Fish striking a trammel net pass through the first outside net, strike the inner net pushing it into a pocket through the other outside net, Figure V. Here the fish usually remains until removed by the fisherman. In some cases the fish are gilled by the small net. This process will be discussed later under gill nets.

Trammel nets can be fished in either lakes or running streams. In lakes the nets are tied to trees or anchored on each end. In streams the nets are allowed to float or drift

TABLE III

Accepted Common, Scientific, and Local Names of Fish Caught During Project Netting

Common Name	Scientific Name	Local Name
Paddlefish	**Polyodon spathula** (Walbaum)	Spoonbill cat, boneless cat, spoony
Alligator gar	**Lepisosteus spatula** Lacépéde	Hogmouth, gator gar, soft gar
Shortnose gar	**Lepisosteus platostomus** Rafinesque	Fish gar, duckbill gar, stubby gar
Spotted gar	**Lepisosteus productus** (Cope)	Spotted nose gar, grass gar
Longnose gar	**Lepisosteus osseus** (Linnaeus)	Spikebill, scissorbill, gar-pike
Bowfin	**Amia calva** Linnaeus	Cypress trout, choupique, mudfish, dogfish, grindle, spottail, grinner
River herring	**Alosa chrysochloris** Rafinesque	Roeshad, skipjack
Threadfin shad	**Dorosoma petenense** (Gunther)	Threadfin, bait shad
Gizzard shad	**Dorosoma cepedianum** (LeSueur)	Shad, hickory shad
Blue sucker	**Cycleptus elongatus** LeSueur	Big sucker, Missouri sucker, long sucker, river sucker
Bigmouth buffalo	**Ictiobus cyprinellus** (Valenciennes)	Butthead, gourdhead, goadhead, thin lip, boxhead, sheepshead, slough buffalo, redmouth
Black buffalo	**Ictiobus niger** (Rafinesque)	Rooter, blue rooter, sloughfish, bull rooter, reefer
Smallmouth buffalo	**Ictiobus bubalus** (Rafinesque)	Razorback buffalo, roachback, humpback buffalo
River carpsucker	**Carpiodes carpio** (Rafinesque)	Silver carp, coldwater, coldwater buffalo, quillback
Lake chubsucker	**Erimyzon sucetta** (Girard)	Slicksucker
Spotted sucker	**Minytrema melanops** (Rafinesque)	Stripped sucker, sucker

TABLE III
(Continued)

Accepted Common, Scientific, and Local Names of Fish Caught During Project Netting

Common Name	Scientific Name	Local Name
Blacktail redhorse	**Moxostoma poecilurum** Jordan	Redhorse
Carp	**Cyprinus carpio** Linnaeus	Germancarp, yellow belly
Golden shiner	**Notemigonus crysoleucas** (Mitchill)	Golden flat shiner, leaping lena, silverside, skipjack
Channel catfish	**Ictalurus lacustris** (Walbaum)	Willow cat, fork tail, thicklip, bullhead, nigger lip, pinkeye, speckled cat, channel cat
Blue catfish	**Ictalurus furcatus** (LeSueur)	Mississippi blue, blue cat Fulton cat
Black bullhead	**Ictalurus melas** (Rafinesque)	Mudcat, bullhead, pollywog
Yellow bullhead	**Ictalurus natalis** (LeSueur)	Yellow belly, mudcat, greasy cat
Brown bullhead	**Ictalurus nebulosus** (LeSueur)	Speckled bullhead
Flathead catfish	**Pylodictus olivaris** (Rafinesque)	Opelousas cat, goujon, spotted cat, tabby cat, leopard cat, mudcat, yellow cat
Chain pickerel	**Esox niger** LeSueur	Jackfish, pikefish
American eel	**Anguilla rostrata** (LeSueur)	Fish eel
Needlefish	**Strongylura marina** (Walbaum)	Needle gar
Yellow walleye	**Stizostedion vitreum** (Mitchill)	Walleyed pike
Sauger	**Stizostedion canadense** (Smith)	Walleye
White bass	**Roccus chrysops** (Rafinesque)	Barfish, striped bass, streaker
Yellow bass	**Roccus mississippiensis** (Jordan and Eigenman)	Striped bass, barfish, streaker channel bass

Spotted bass	**Micropterus punctulatus** (Rafinesque)	Kentucky bass, redeye, spotted bass, small mouth
Largemouth bass	**Micropterus salmoides** (Lacépéde)	Black bass, largemouth, green trout, trout
Warmouth	**Chaenobryttus gulosus** (Cuvier)	Goggle eye
Redear sunfish	**Lepomis microlophus** (Gunther)	Redear, chinquapin, shellcracker, government bream
Longear sunfish	**Lepomis megalotis** (Rafinesque)	Sunperch, strawberry bream
Green sunfish	**Lepomis cyanallus** Rafinesque	Coonperch, creek perch
Orangespotted sunfish	**Lepomis humilis** (Girard)	Orangespot bream
Spotted sunfish	**Lepomis punctatus** (Jordan)	Stumpknocker, sunfish
Bluegill	**Lepomis macrochirus** Rafinesque	Bream, perch, tighteyes
Flier	**Centrarchus macropterus** (Lacépéde)	Perch, round sunfish
Black crappie	**Pomoxis nigromaculatus** (LeSueur)	Speck, sac-a-lait, calico bass, speckled perch
White crappie	**Pomoxis annularis** Rafinesque	White perch, sac-a-lait
Freshwater drum	**Amplidinotus grunniens** Rafinesque	Gaspergou, gou, drum, croaker, grunter, sheepshead, rockfish, redeye, channel bass
Silver perch	**Bairdiella chrysura** (Lacépéde)	Gulf perch
Striped mullet	**Mugil cephalus** Linnaeus	Striped mullet, spotted mullet, saltwater millet, skipjack
Flounder	**Paralichthys lethostigma** Jordan and Gilbert	Flatfish, flounder, walleye, twoeye
Hogchoker	**Achirus fasciatus** Lacépéde	Sole

free under the watchful eye of the commercial fisherman. Few commercial fishermen float trammel nets in Louisiana due to excessively large numbers of snags in the streams fished which would entangle the net.

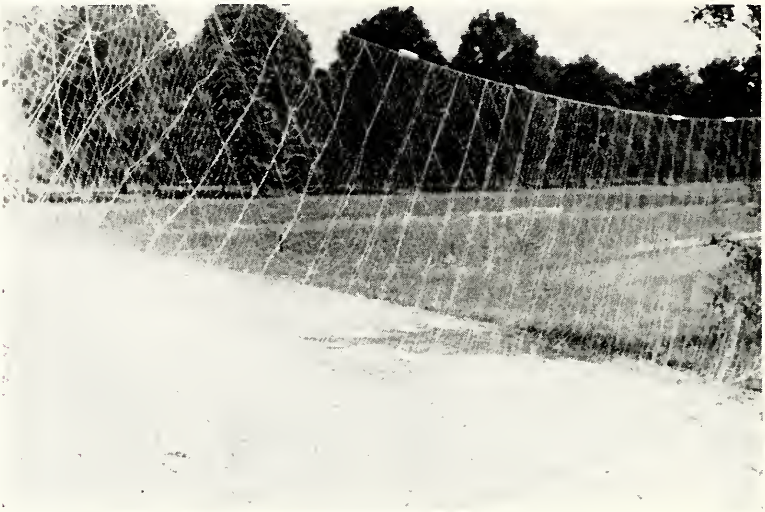

FIGURE IV

A typical trammel net. Note especially the outer large mesh net and the inner small mesh net.

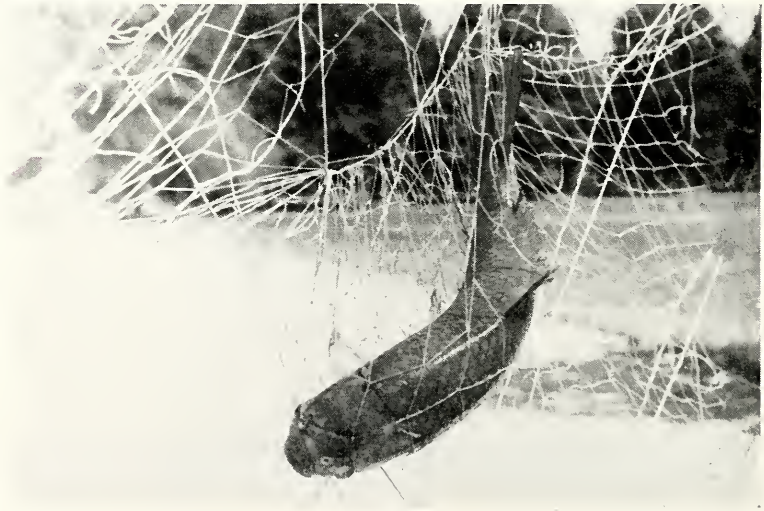

FIGURE V

Fish pocketed in a trammel net.

Trammel nets are very efficient in the capture of most species of fish. During the study trammel nets caught more fish per unit effort than any other fishing device.

During the study it was noted that these nets can be set for almost any kind of fish. Nets were set at random during the study but sets were marked by the crew chief as favoring certain fish.

In the hands of skilled commercial fishermen these nets can be fished almost exclusively for buffalo. Catches of commercial fishermen were much higher in commercial species and lower in sport fish than project nets. This was true on every lake checked by project personnel.

Trammel nets are expensive to build. Nylon trammel nets varied in cost from $106.50 to $220.71 when built by project personnel. The larger mesh sizes were cheaper to build while small mesh nets were more expensive. This is because nylon is sold by the pound and the small mesh nets weigh more. In addition the smaller mesh sizes take longer to build. Cotton trammel nets are cheaper to build varying from $95.00 to $156.00. Cotton requires more care and rots quicker than nylon. Cotton must be taken from the water at least once per week and dried out thoroughly. The same is true of linen nets. Nylon, however, can be left in the water for long periods of time without apparent harm to the fibers.

Linen trammel nets cost from $110.00 to $160.00 when built by project personnel. After two years of steady fishing both cotton and linen trammel nets have rotted out even under the best of care. Some of the linen nets failed to last even the first year. Most of the nylon nets are still usable after two years of use. Therefore the higher initial cost of the nylon nets is offset to a certain extent by their longer period of usefulness.

Trammel nets are in extensive use in the lakes of Louisiana. These nets are favored by many fishermen as sport fish or undersized commercial fish can often be released unharmed. Nets run daily result in very few fish killed accidentally.

Catches in trammel nets were affected by all three variables tested. As the mesh size increased the average size of fish caught of a particular species usually increased significantly. This held true as long as twine size and twine type remained constant. Some exceptions were noted but this may have been due to chance variation. The authors are unable to explain these idiosyncracies.

The catch per net day of most species dropped as mesh sizes increased when nylon nets were fished. This probably is due to the smaller number of larger sized fish being present in the population.

Linen and cotton trammel nets did not always follow this trend. The smallest mesh nets, one inch mesh, caught fewer fish than the 1.5 inch mesh nets. This was true for all cotton nets and 18/3 linen. Two inch mesh nets showed a decline in total numbers caught from 1.5 inch mesh. Apparently the one inch mesh nets were so dense in the water that fish failed to be caught.

Twine types clearly affected the catch of nets throughout the study. In every case nylon of the same mesh size caught more fish per net day of all twelve species analyzed. Several theories have been given for this occurrence. Probably the two best ones are that nylon is more resilient than either cotton or linen. In addition nylon twine is much stronger for its size than either of the other twine types. A second theory is that nylon remains much whiter and more free from algae. This causes the net to cast a lighter shadow and is harder to see in the water. How true the latter theory might be remains open to question.

The type of twine also affected the average length of fish caught. Catches of fish in nylon nets were of greater average length than those captured in linen nets throughout. Nylon caught fish of greater average length than cotton in 1 and 1.5 inch mesh nets. In two inch mesh there was not a significant difference except for channel catfish where the cotton caught a larger average size.

Twine size also affects the catch in trammel nets. The difference is not so clear cut as mesh sizes or twine type however. Within limits the smaller the twine size the larger the catch per net day. With nylon trammel nets of one inch mesh, #69 bonded nylon will take the greatest number of fish per net day in most species. Yellow bass, channel catfish, gizzard shad and spotted gar are the exceptions. In these species #104 bonded nylon catches the larger number of fish. Generally there is no significant difference in the size of fish captured by 1 inch mesh nylon nets. Yellow bass, channel catfish and river carpsucker are exceptions. All three show #69 nylon catching a larger average size than #104.

Trammel nets of 1.5 inch mesh show a slightly different picture. Here again there is a difference in catch which varies with different species. Nets made with #104 bonded nylon caught more black crappie, yellow bass, channel catfish, and river carpsucker than #69 bonded nylon. Equal catches of channel catfish were found in #139 and #104 bonded nylon but #139 fell behind in catch of other species. The nets of #69 nylon caught the greatest numbers of bluegill, gizzard shad, and spotted gar. Little difference was noted between nets in the size of fish captured in this mesh size. The lone exception was channel catfish where the #69 bonded nylon caught larger fish than either of the others.

Two inch mesh trammel nets begin to reflect the necessity of greater strength to hold large fish. Spotted gar catches were very low in #104 bonded nylon. In the other species analyzed this twine size usually caught the larger numbers. Gizzard shad and black crappie were caught in larger numbers in #139 bonded nylon nets however. Here again there was little difference in the average length of fish captured in different twine sizes.

In the mesh sizes above 2 inch mesh catches were smaller and often did not permit valid comparisons. Generally speaking #139 bonded nylon caught the largest numbers of fish in 2.5, 3.0, and 3.5 inch mesh. In four inch mesh #277 bonded nylon caught the largest numbers of fish however. Throughout these mesh sizes the size of twine within a particular mesh size had little effect on the average size of fish caught.

The effect of twine size in cotton nets was a bit more clear cut. With one exception the smaller the twine size the more fish that were caught per net day, if a significant difference existed. In other words 20/6 cotton caught as many or more fish per net than either 20/9 or 20/12 cotton. The lone exception is in the two inch mesh size. Here 20/9 cotton took more white crappie than did either 20/6 or 20/12 cotton. This difference cannot be explained by the writers.

Twine size in cotton nets had little effect on the average length of fish captured. Two instances were noted: channel catfish were larger in two inch mesh nets made from 20/6 cotton and yellow bass caught in 1.5 inch mesh 20/6 cotton were larger than those caught in comparable 20/9 cotton nets.

Linen trammel nets also showed the effects of twine size. In all mesh sizes 35/3 caught as many or significantly more fish per net day than did 18/3 linen nets. This held true through two inch mesh where studies were cut off. In one inch mesh linen nets there was no significant difference in sizes of fish caught with either twine size. The picture changed somewhat in 1.5 inch mesh. Two inch mesh 18/3 caught larger fish than 35/3 in six of the ten species under comparison. In the other four species catches were too small to permit valid comparisons. This change in average length caught was apparently associated with the ability of the heavier twine to hold the larger fish without rupturing.

GILL NETS

A gill net is a single net of fine twine usually fished in still water. Two methods of construction are in general use. One method is to attach floats directly to a top line and weights directly to a bottom line. This is usually known as a gill web or net. The second method, and the one in general use in Louisiana, is to hang the net on a top line without floats and no bottom line is attached to the net. This is commonly known as a flag web. When fished, floats are attached to the top line with cords of various lengths depending upon the preferences of individual fishermen.

This latter method was used in construction of project nets. (Figure VI).

Fish are caught in gill nets by entanglement. As the fish strikes a net of the proper mesh size his head passes thru the mesh and becomes lodged just behind the gills. Hence, the term gill nets. If the fish is too large for that particular mesh size, he may back away before becoming entangled or he may burst a strand and pass on through. If the fish is too small, he may pass on through the net without becoming entangled. In some cases fish are caught in gill nets without actually becoming gilled. Gar often become entangled while attempting to feed on fish already captured by the net. Their teeth and snout become entangled in the net. Freshwater drum and yellow bass often are captured by hanging the twine in their open mouths. Then the adjacent webbing adheres to their rough scales firmly entangling them.

These nets can be set selectively but not as easily as trammel nets. Some commercial fishermen do endeavor to fish entirely for buffalo and are relatively successful. Sets made for catfish or freshwater drum are not usually so successful.

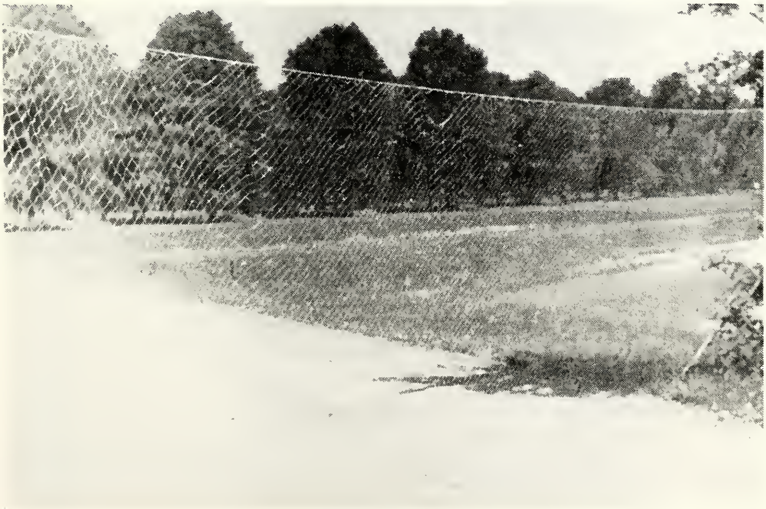

FIGURE VI

A gill net as fished by most Louisiana Fishermen. Note the absence of a lead line.

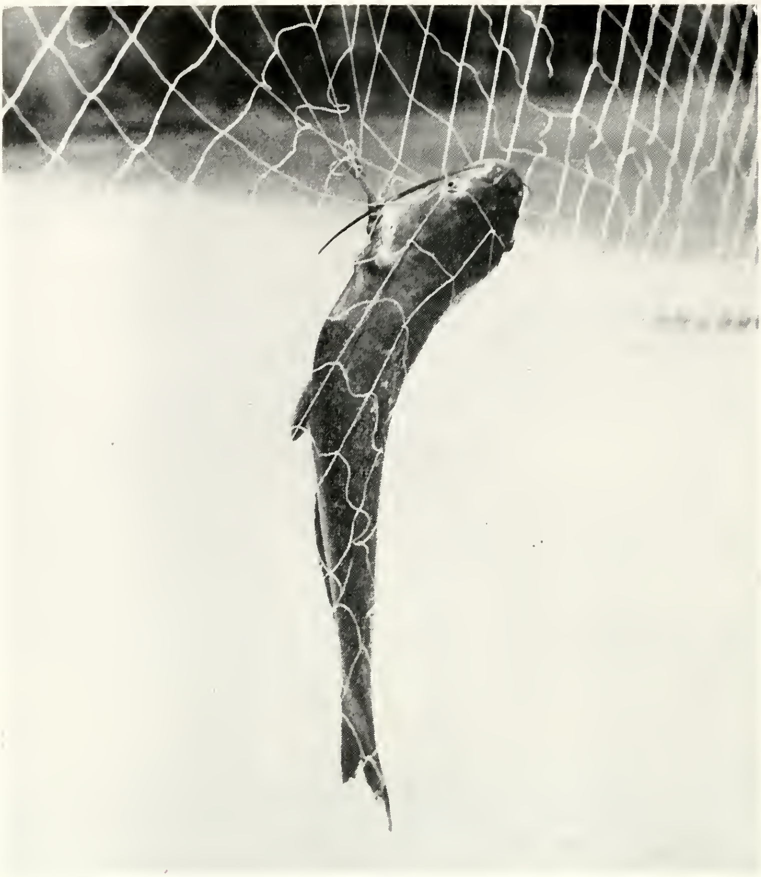

FIGURE VII

Fish gilled in a gill net.

Gill nets, or flag webs, are relatively inexpensive to construct. Cost of nylon nets ranged from $28.66 to $95.18 per net 100 yards long and 8 feet deep. Here again the lighter the net the lower the cost. Linen was slightly less expensive ranging from $28.39 to $66.39 per net. Cotton nets were the cheapest to construct with costs ranging from $19.57 to $60.42 per net. Here again the finer twines in the larger mesh sizes cost the least.

Treatment with copper napthenate is considered necessary to prolong the life of cotton and linen gill nets. Nylon nets are usually fished untreated, or white. Most linen and cotton nets are washed and retreated periodically. In addition these two twine types require frequent drying to prevent decay of the fibers. With good care cotton and linen nets may be usable for two seasons. One year's usage is more common. Nylon nets will continue to make good catches for two to three years. Here, as in trammel nets, the additional initial cost is offset by a longer life expectancy and less upkeep is necessary.

Commercial fishermen use gill nets in Louisiana in two ways. One method is to cruise around a lake until bubbles caused by feeding buffalo are spotted. Then the net is set around the school of fish as quietly as possible. After the net is set noise-makers are employed to drive the fish into the net if possible. This method is also employed with trammel nets. Another method used with both types of nets is to set out in an area where buffalo are known to be active in hopes that fish will be caught in the net.

Gill nets are blamed for many fish deaths. Checks on project netting revealed that slightly more fish were injured than in trammel nets. If the nets are run daily fewer fish die after being released. Injuries can be further reduced if care is taken in removing fish from the nets.

The catches of gill nets were affected by all three variables under discussion, mesh size, twine type, and twine size. As mesh size increased the average length of fish caught was greater if a significant difference existed. One exception was noted; bluegill caught in 2-inch-mesh 139 nylon gill nets averaged significantly longer than those captured in 2.5-inch-mesh. This difference can not be explained by the writers.

The effect of mesh size on catch per net day for gill nets was not so clear cut. Generally as mesh size increased catches dropped, though not always significantly. In nylon gill netting the exceptions were limited to commercial species and gar. This exception apparently is due to chance and to the fact that buffalo especially tend to shy away from small mesh nets according to commercial fishermen reports.

Cotton gill nets presented the same general picture as in trammel nets. Catches per net day were higher in 1.5-inch-mesh than in 1-inch-mesh. Further, the 1.5-inch-mesh nets caught more fish per net day, except for smallmouth buffalo, than did 2-inch-mesh. This was as expected.

Linen gill net catches did not lead to generalizations. Black crappie were caught in the largest numbers in 2.5-inch-mesh nets. This was apparently due to chance. Gizzard shad were most prevalent in 2-inch-mesh nets. Spotted gar, river carpsucker, and smallmouth buffalo were taken from 1.5-inch-mesh nets in the largest quantities. Other species were caught more often in the smaller mesh nets under comparison.

Twine types give much the same results as found in trammel net data. Nylon caught significantly more fish than either cotton or linen with few exceptions. These exceptions can not be explained by the writers at this time.

In very few cases did the length of fish caught differ significantly between twine types. In those cases where a difference did exist fish captured in nylon nets averaged longer than those captured in either linen or cotton nets.

The effects of twine size on fish catches are not so clear cut. For nylon nets there was no significant effect on average length of fish caught by changing twine sizes. Black crappie and bluegill captured in 1-inch-mesh 69 and 139 bonded nylon are exceptions. In this case the former caught significantly larger fish on the average.

Twine size also affected the number of fish caught per net day in nylon nets. In 1-inch-mesh 69 bonded nylon caught the greatest number per net day, if a significant difference existed. At the 1.5-inch-mesh size the necessity for greater strength appeared with 139 bonded nylon catching significantly more gar and large-mouth bass. The other twine sizes were divided with 69 bonded nylon catching more gizzard shad and yellow bass while 104 bonded nylon caught more black crappie and channel catfish. Catches of other species did not differ significantly. After the 2-inch-mesh size was reached, 104 nylon caught significantly more river carpsucker and freshwater drum.

Bluegill and largemouth bass were more plentiful in 139 bonded nylon nets. White crappie were more prevalent in 208 nylon nets. More yellow bass, smallmouth buffalo, and gizzard shad were caught in 277 bonded nylon nets. In 4-inch-mesh the largest catches came from 139 bonded nylon nets.

Cotton gill nets form a bit clearer result. The smaller twine sizes caught more fish per net day in both 1-inch and 1.5-inch-mesh nets. In 2-inch-mesh nets 20/9 cotton caught more largemouth bass and yellow bass than either of the other twine sizes. Generally, twine size had little effect on average length of fish caught in cotton gill nets. Four exceptions were noted. In every case where a significant difference existed the smaller twine size caught larger fish.

Linen gill nets also showed the effects of twine size. In every case where a significant difference existed the smaller twine sizes caught more fish per net day. Little effect on average length of fish caught was noted as twine sizes were changed.

HOOP NETS

A hoop net is an entrapment device shaped like a cone and constructed of vegetable or synthetic fibers. Within the cone may be 1 to 4 funnels called throats or flues. Fish entering the large end of the net pass thru the funnel-like throats. As the end of the throats towards the rearmost portion of the net is quite small, fish are usually unable to find their way out of these nets.

Usually hoop nets are constructed of rather heavy cotton or nylon twine. Linen is in use but to a very limited extent in Louisiana. As the twine is rather heavy, #15 or larger, few fish are gilled in these nets and few break out unless the fibers are decayed. To prevent decay cotton and linen nets are usually treated with coal tar. On occasion copper napthenate is also used. The former is very messy to handle and unless properly used nets so treated may be very sticky or stiff. Coal tar does help to preserve the steel or wood hoops which give the nets their shape and name. Nylon nets are usually fished untreated or white. Their hoops may be tarred, however. Figure VIII shows one of the project hoop nets which has two throats.

Hoop nets are fished primarily in running streams. The nets are set with their mouths or open ends pointing downstream. As fish usually orient themselves head upstream they tend to become entrapped in the net as they move upstream. This upstream orientation also helps in keeping the fish within the net.

Removal of fish from a hoop net is accomplished in one of two ways. Some nets are constructed with a drawstring in the small or cod end of the net. As the net is held within a boat the drawstring is loosened and the fish dropped into the boat. In the second and more generally used method the net is hauled aboard, inverted and the fish shaken out of the net.

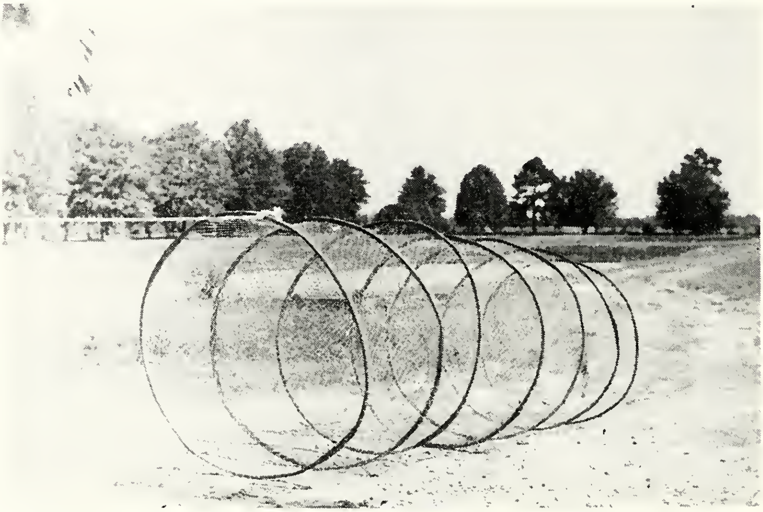

FIGURE VIII

Hoop nets as used during project work.

Baiting of hoop nets is common in the summer and late fall. Various baits are used but cottonseed cake is most prevalent in Louisiana. During the late spring baiting of nets is usually done with gravid female buffalo or flathead catfish. Success is spotty with catches ranging from over

200 pounds in a net to losing the bait fish. No project nets were baited.

On occasion hoop nets are fished in lakes and overflow waters in the state. Wings are legally used in Louisiana when fishing the latter. Catches when using wings on project nets were generally superior in numbers to regular hoop nets. Data obtained was not strictly comparable and therefore, is not statistically analyzed in this report.

Hoop nets are often knitted and hung by commercial fishermen. This differs from trammel and gill nets where the webbing is knitted on a machine, then bought and hung by the commercial fishermen. Complete nets of all three types ready to fish can be bought if desired. Costs are usually high if the latter method is followed.

Nylon hoop nets are slightly higher in cost than linen or cotton. Prices of project nets varied but nylon hoop nets cost approximately $25.00, linen $21.00 and cotton $19.00. Again nylon usually lasts longer than either of the latter two twines.

Four variables were tested with hoop nets. Only three: mesh size, hoop type, and twine type are reported here. Effects of hoop size were also checked but data proved to be not strictly comparable.

Mesh size affected both the catch per net day and the average length of fish caught. In nylon hoop nets smaller mesh sizes caught the most fish per net day if a significant difference existed. One exception should be noted. Smallmouth buffalo were captured in their greatest number in 2.5-inch-mesh nets. This is as expected from commercial fishing reports. Buffalo apparently are captured very seldom in small mesh darkened nets.

The effect of mesh size on the average length of fish caught in nylon hoop nets is very apparent. If sufficient numbers of fish were caught for a valid comparison, the larger mesh size captured a larger average size fish.

Cotton hoop nets show the effect of mesh size on catches also. As the mesh size increased catches dropped with two exceptions. River carpsucker were caught in largest number in 1.5-inch-mesh. Freshwater drum were more plentiful in 2-inch-mesh; the average length of fish caught increased as mesh size increased except for river carpsucker. This species was largest in 1-inch-mesh. This may have been due to a single chance specimen.

Considerable speculation has occurred as to the effect of steel or wood hoops on fish catches. As the two types are usually fished differently catches probably are not strictly comparable. Steel hoop nets can be fished in high water and fast current. Their added weight makes them desirable for this type of fishing. In slow moving or still waters the weight caused these steel hooped nets to collapse. In these cases wooden hoop nets are preferable. Their added bouyancy and lightness makes them easier to handle also.

Wooden and steel hoops had little or no effect on either catch per net day or average length in nylon nets. Some exceptions were noted in 1.5-inch-mesh.

Hoop types showed no significant effect on average length in cotton nets with one exception. Black crappie caught in 1.5-inch-mesh were significantly larger in steel hoops than wood hoops. Steel hoop nets caught significantly more bluegill in 1-inch-mesh and river carpsucker in 1.5-inch-mesh than wood hoop nets. Wood hoop nets caught more fish of other species where a significant difference existed.

The effects of twine types on the catch per net day in hoop nets is not clear. No distinct pattern was established, though some differences did exist. The effect of twine types on the average length were more clear cut. Nylon nets captured larger fish if a significant difference existed.

MISCELLANEOUS NETS

Wire traps were fished throughout the project period. These traps were constructed of 1-inch-mesh galvanized wire. The wire was stretched over hoops 2.5 feet in diameter. A door was placed in the rear to allow fish to be removed from the net. (Figure IX).

Catches of these wire traps were compared to the catch of 1-inch-mesh nylon hoop nets. The nylon hoop nets caught larger fish and more fish per net day than did the wire traps except for bluegill. In this species the wire traps caught more fish per net day.

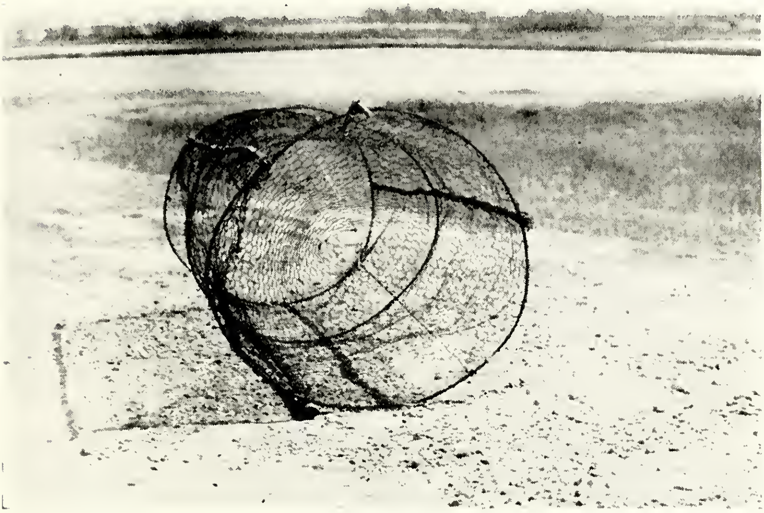

FIGURE IX

Wire traps as constructed for project work.

Wooden basket traps were also fished in conjunction with project netting. These traps are built of wooden slats fastened to steel or wood hoops usually from two to three feet in diameter. These traps have flexible throats which permit entry but not exit of fish. At present this device is illegal as is the foregoing one.

Catches of basket traps were composed entirely of catfish. As the nets were baited at times the data was not considered comparable to hoop net data. Therefore, no comparisons of catch are presented. This method of taking catfish is very effective and selective.

CONCLUSIONS

This study was intended to determine the most efficient type of commercial fishing device. Trammel nets proved to be the most efficient in terms of pounds per net day. Selectivity of trammel nets was indicated in the catches of nets over 2.5-inch-mesh. Commercial fish comprised almost the entire catch in mesh sizes 3 inches or larger.

One very interesting detail was discovered during project netting. Catches of skilled commercial fishermen ran consistently higher in commercial fish than catches in project nets. Catches of sport fish were lower in the nets operated by commercial fishermen. This indicates that in the hands of skilled personnel the nets can be operated in an even more selective manner.

Nylon was found to be superior to cotton or linen in gill or trammel nets. Catches in the former varied from two to four times those taken in the latter two twine types. Nylon is more expensive than either cotton or linen when used to construct nets. It is much more durable and if care is used in handling nylon nets may be used for one to three years longer than cotton or linen.

As mesh size increases the catch per net day in most nets decreases. This is due to the escapement of smaller fishes and the fewer numbers of larger fish available.

Catches in trammel nets were affected in another way by the type of twine used. Fish caught in nylon nets were of greater average length than either cotton or linen. Nylon nets tended to catch more larger fish and fewer small fish than either of the other twine types.

Within limits, as twine size increases the catch per net day decreases for trammel and gill nets. In one-inch-mesh #69 bonded nylon caught more fish per net day than any other twine (104, 139, etc.) of the same mesh size. This holds true until the twine becomes too small, in comparison to the mesh size, to hold the fish in the net. At 1.5-inch-mesh #104 bonded nylon caught more black crappie, yellow bass, channel catfish and river carpsucker than did #69 nylon. From two-inch-mesh up both #104 and #69 bonded nylon were too small to hold the fish striking the net.

Catches in 1.5-inch-mesh cotton gill nets were higher than those in 1-inch-mesh. This apparently was due to the "dark curtain" effect of the smaller mesh net.

For hoop nets mesh size is the only effective variable. Nylon does hold larger fish than cotton. Here again the cost of the net is greater but offset by the higher poundage of fish caught.

Wire traps are very effective in the capture of sport fishes. Apparently they do not exceed the catch of 1-inch-mesh hoop nets to any great extent.

Basket traps catch primarily catfish with little effect on other species. This device can well be put to use.

Due to the limitations of space all species caught could not be discussed. One species was conspicuous by its presence in cotton and linen gill and trammel nets. Lake chubsucker were caught abundantly by these nets which were extremely low in the catch of other species. This might well be put to use where these are a problem in a lake.

RECOMMENDATIONS

1. Mesh sizes should be statewide and not determined according to political boundaries which are meaningless to fish.
2. Size limits on commercial species should be removed. The size of fish captured can be regulated by mesh size of gears used.
3. Wood basket or slat traps should be legalized for the capture of catfish.
4. Mesh sizes recommended are as follows:

a. Trammel nets	3.0-inch-mesh
b. Gill nets	3.0-inch-mesh
c. Hoop nets	2.5-inch-mesh
d. Seines	2.5-inch-mesh

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STATE OF LOUISIANA

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SUPPLEMENT TO RELATIVE SELECTIVITY OF COMMERCIAL FISHING DEVICES IN LOUISIANA

The data herein presented are discussed in the parent paper. This is intended to furnish interested persons with the actual results of netting. In addition chi-square and t values are presented.

A net day for trammel and gill nets was 100 yards of net, eight feet deep, fished for 24 hours. One net day for hoop nets, wire traps, and basket traps was a net fished for 24 hours. No nets were baited during the study.

Chi-square were derived using the following formula:

$$x^2 = \frac{(a_1 - e_1)^2}{e_1} + \frac{(a_2 - e_2)^3}{e_2}$$

a_1 and a_2 are the actual catches of the species; e_1 and e_2 are the expected catches. The expected catches are based on each nets proportional part of the total catch calculated from the total number of net days fished.

To be significant at the 0.05 level with 1 degree of freedom the chi-square value must equal or exceed 3.841.

Value for t were calculated using this formula:

$$t = \frac{\bar{x}_1 - \bar{x}_2}{\sqrt{\frac{(o_1)^2}{n_1} + \frac{(o_2)^2}{n_2}}}$$

x_1 and x_2 are the mean total lengths of the fish; o_1 and o_2 are the standard diviations in length; n_1 and n_2 are the total numbers of fish of each species caught in the net.

The degrees of freedom were calculated from the geometric mean:

$$d.f. = \sqrt{n_1 . n_2} - 1$$

* indicates a significant difference in the size of fish taken by the two devices at the 0.05 level with the indicated degrees of freedom.

† indicates a significant difference in the numbers of fish caught in the two devices at the 0.05 level with 1 degree of freedom.

a indicates a chi-square value of less than 0.005.

t indicates a value less than 0.005.

TABLE 1

Composition of Catch of One Inch Mesh Trammel Net With #20/6 Cotton For Inner Wall In 100 Net Days

Kind of Fish	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
iver carpsucker	2	0.02	0.35	1.1	0.01	8.0	6.3- 9.8
otted sucker	6	0.06	1.04	11.6	0.12	14.4	12.2-15.8
arp	1	0.01	0.17	0.1	T	5.9	....
ake chubsucker	57	0.57	9.86	34.2	0.34	10.6	8.7-11.0
ellow bullhead	5	0.05	0.87	2.0	0.02	8.9	8.3- 9.8
hannel catfish	86	0.86	14.88	26.2	0.26	9.9	5.9-15.0
Total Commercial	157	1.57	27.17	75.2	0.75	....	....
ellow bass	29	0.29	5.02	12.3	0.12	8.3	5.9-10.2
argemouth bass	32	0.32	5.54	22.0	0.22	9.6	6.7-21.3
armouth	17	0.17	2.94	4.9	0.05	6.4	5.9- 7.9
edear sunfish	64	0.64	11.07	9.6	0.10	5.6	4.7- 8.7
ongear sunfish	2	0.02	0.35	0.2	T	4.7	....
rangespotted sunfish	1	0.01	0.17	0.1	T	3.5	....
luegill	58	0.58	10.03	6.3	0.06	5.1	4.3- 7.9
lack crappie	39	0.39	6.75	7.0	0.07	6.5	5.5-11.4
hite crappie	4	0.04	0.69	1.0	0.01	6.6	5.5- 9.8
hain pickerel	8	0.08	1.38	7.0	0.07	18.0	14.2-18.9
Total Sport	254	2.54	43.94	70.4	0.70	....	....
ongnose gar	6	0.06	1.04	10.2	0.10	25.0	20.9-35.8
hortnose gar	4	0.04	0.69	5.0	0.05	22.6	18.9-28.0
potted gar	15	0.15	2.60	34.5	0.35	25.2	15.0-31.5
owfin	1	0.01	0.17	3.2	0.03	21.3	....
Total Predatory	26	0.26	4.50	52.9	0.53	....	....
izzard shad	77	0.77	13.32	14.1	0.14	7.4	5.9-15.0
hreadfin shad	16	0.16	2.77	1.1	0.01	5.7	3.9- 6.7
iver herring	17	0.17	2.94	3.1	0.03	8.1	7.5-11.8
olden shiner	31	0.31	5.36	5.0	0.05	8.1	7.9- 8.7
Total Forage	141	1.41	24.39	23.3	0.23	....	....
GRAND TOTAL	578	5.78	100.00	221.8	2.21	....	....

TABLE 2

Composition of Catch of One Inch Mesh Trammel Net With #20/9 Cotton For Inner Wall In 102 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range I Length
Carp	3	0.03	1.60	21.7	0.21	19.2	5.5–27.
Lake chubsucker	21	0.21	11.23	10.6	0.10	9.0	5.9–10.
Channel catfish	20	0.20	10.70	11.3	0.11	10.1	7.9–13.
Total Commercial	44	0.44	23.53	43.6	0.42	....	....
Yellow bass	12	0.12	6.42	3.9	0.04	7.4	5.1–11.
Largemouth bass	4	0.04	2.14	0.9	0.01	8.3	7.5– 8.
Warmouth	8	0.08	4.28	1.9	0.02	6.1	4.7– 8.
Redear sunfish	6	0.06	3.21	0.8	0.01	5.1	4.3– 7.
Longear sunfish	3	0.03	1.60	0.2	T	4.7	4.3– 5.
Bluegill	22	0.22	11.76	1.9	0.02	4.8	4.3– 5.
Black crappie	39	0.38	20.86	8.4	0.08	7.0	5.5–13.
White crappie	2	0.02	1.07	0.2	T	6.1	5.9– 6.
Chain pickerel	7	0.07	3.74	5.3	0.05	13.0	12.2–15.
Total Sport	103	1.02	55.08	23.5	0.23	....	....
Longnose gar	4	0.04	2.14	5.6	0.05	24.6	22.0–28.
Shortnose gar	4	0.04	2.14	8.9	0.09	24.2	19.7–30.
Spotted gar	9	0.09	4.81	21.1	0.21	20.1	16.5–34.
Total Predatory	17	0.17	9.09	35.6	0.35	....	....
Gizzard shad	14	0.14	7.49	7.4	0.07	10.4	4.7–15.
Threadfin shad	1	0.01	0.53	0.1	T	7.1	....
River herring	4	0.04	2.14	1.3	0.01	9.1	6.7–11.
Golden shiner	4	0.04	2.14	0.7	0.01	7.9	7.5– 9.
Total Forage	23	0.23	12.30	9.5	0.09	....	....
GRAND TOTAL	187	1.86	100.00	112.2	1.09	....	....

TABLE 3

Composition of Catch of One Inch Mesh Trammel Net With #20/12 Cotton For Inner Wall In 100 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Spotted sucker....................	2	0.02	1.33	3.0	0.03	13.8	12.6–15.0
Carp..............................	1	0.01	0.67	0.2	T	4.3	....
Lake chubsucker...................	13	0.13	8.67	2.7	0.03	7.0	6.7– 8.3
Yellow bullhead...................	1	0.01	0.67	1.7	0.02	13.8	....
Channel catfish...................	4	0.04	2.66	3.2	0.03	12.5	11.0–16.5
Flathead catfish..................	1	0.01	0.67	0.4	T	10.2	....
Total Commercial............	22	0.22	14.67	11.2	0.11	....	....
Yellow bass.......................	28	0.28	18.67	6.5	0.07	7.6	6.3– 9.4
Largemouth bass...................	4	0.04	2.66	1.2	0.01	7.9	....
Warmouth..........................	2	0.02	1.33	0.3	T	5.3	4.7– 5.9
Redear sunfish....................	13	0.13	8.67	1.9	0.02	5.7	4.7– 9.1
Longear sunfish...................	1	0.01	0.67	0.1	T	4.3	....
Bluegill..........................	13	0.13	8.67	1.8	0.02	5.1	3.9– 7.9
Black crappie.....................	42	0.42	28.00	10.8	0.11	7.0	4.3–11.8
White crappie.....................	1	0.01	0.67	0.1	T	5.9	....
Chain pickerel....................	6	0.06	4.00	3.5	0.04	12.9	10.6–15.0
Total Sport..................	110	1.10	73.34	26.2	0.27	....	....
Longnose gar......................	2	0.02	1.33	4.1	0.04	26.6	20.9–32.3
Spotted gar.......................	4	0.04	2.66	11.4	0.11	26.0	18.5–31.1
Total Predatory..............	6	0.06	3.99	15.5	0.15	....	....
Gizzard shad......................	2	0.02	1.33	1.2	0.01	11.0	7.9–14.2
Threadfin shad....................	7	0.07	4.67	0.4	T	7.1	6.7– 7.5
Golden shiner.....................	3	0.03	2.00	0.3	T	7.9	....
Total Forage.................	12	0.12	8.00	1.9	0.01	....	....
GRAND TOTAL................	150	1.50	100.00	54.8	0.54	....	....

TABLE 4

Composition of Catch of One and One-half Inch Mesh Trammel Net With #20/6 Cotton For Inner Wall In 82 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range I Length
Smallmouth buffalo	2	0.02	0.18	17.6	0.21	24.0	22.0–26.
River carpsucker	3	0.04	0.28	5.9	0.07	14.8	13.0–16.
Carp	3	0.04	0.28	21.3	0.26	21.2	10.2–27.
Lake chubsucker	472	5.76	43.50	364.6	4.45	11.1	9.8–12.
Yellow bullhead	5	0.06	0.46	6.8	0.08	12.2	9.4–16.
Channel catfish	56	0.68	5.16	60.5	0.74	13.7	9.4–22.
Freshwater drum	1	0.01	0.09	0.7	0.01	10.6	....
Total Commercial	542	6.61	49.95	477.4	5.82	....	....
Yellow bass	38	0.46	3.50	24.0	0.29	10.9	8.7–12.
Largemouth bass	8	0.10	0.74	11.4	0.14	12.5	7.5–18.
Warmouth	8	0.10	0.74	3.7	0.04	7.8	7.1– 8.
Redear sunfish	71	0.86	6.54	32.1	0.39	8.2	7.1–11.
Bluegill	142	1.73	13.10	49.1	0.60	7.4	4.7– 9.
Black crappie	62	0.76	5.71	32.0	0.39	9.5	6.7–14.
White crappie	16	0.20	1.48	7.7	0.09	9.2	7.1–11.
Sauger	1	0.01	0.09	1.8	0.02	15.8	....
Chain pickerel	12	0.15	1.12	19.8	0.24	19.2	15.0–20.
Total Sport	358	4.37	33.02	181.6	2.20	....	....
Longnose gar	1	0.01	0.09	5.0	0.06	35.4	....
Shortnose gar	11	0.13	1.01	28.4	0.35	26.1	23.6–27.
Spotted gar	29	0.35	2.67	62.1	0.76	24.2	20.1–29.
Bowfin	2	0.02	0.18	7.7	0.09	20.3	18.5–22.
Total Predatory	43	0.51	3.95	103.2	1.26	....	....
Gizzard shad	140	1.71	12.90	82.8	1.01	11.4	8.3–16.
Golden shiner	1	0.01	0.09	0.2	T	7.9	....
Mullet	1	0.01	0.09	1.5	0.02	14.2	....
Total Forage	142	1.73	13.08	84.5	1.03	....	....
GRAND TOTAL	1,085	13.22	100.00	846.7	10.31	....	....

TABLE 5

Composition of Catch of One and One-half Inch Mesh Trammel Net With #20/9 Cotton For Inner Wall In 101 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Smallmouth buffalo	2	0.02	0.27	1.0	0.01	7.9	....
Spotted sucker	8	0.08	1.08	21.3	0.21	16.0	14.6–17.7
Carp	1	0.01	0.14	0.3	T	7.9	....
Lake chubsucker	391	3.87	52.91	336.1	3.33	11.2	10.6–12.6
Yellow bullhead	8	0.08	1.08	7.7	0.08	12.1	11.0–13.0
Black bullhead	4	0.04	0.54	9.5	0.09	15.8	15.0–16.5
Channel catfish	15	0.15	2.03	11.6	0.11	12.9	11.4–15.4
Freshwater drum	2	0.02	0.27	6.3	0.06	16.1	10.2–22.0
Total Commercial	431	4.27	58.32	393.8	3.89	....	....
White bass	4	0.04	0.54	2.3	0.02	9.4	8.7–10.2
Yellow bass	60	0.59	9.12	39.8	0.39	9.5	7.9–11.4
Largemouth bass	11	0.11	1.49	13.2	0.13	12.4	7.1–19.7
Warmouth	7	0.07	0.95	3.6	0.04	8.3	7.9–9.4
Redear sunfish	25	0.25	3.38	8.8	0.09	7.4	5.5–9.4
Bluegill	31	0.31	4.19	10.3	0.10	7.0	6.3–10.2
Black crappie	46	0.45	6.22	18.9	0.19	8.7	7.9–11.8
White crappie	4	0.04	0.54	2.5	0.02	9.7	7.9–11.8
Chain pickerel	24	0.24	3.25	36.8	0.36	17.5	11.0–19.7
Total Sport	212	2.10	28.68	136.2	1.34	....	....
Longnose gar	1	0.01	0.14	7.2	0.07	37.4	....
Shortnose gar	3	0.03	0.41	6.8	0.07	27.0	23.6–29.5
Spotted gar	15	0.15	2.03	40.6	0.40	24.5	21.3–27.6
Bowfin	1	0.01	0.14	1.5	0.01	24.0	....
Total Predatory	20	0.20	2.72	56.1	0.55	....	....
Gizzard shad	73	0.72	9.87	43.6	0.43	11.0	7.9–15.4
River herring	2	0.02	0.27	1.4	0.01	12.4	11.8–13.0
Mullet	1	0.01	0.14	1.2	0.01	14.2	....
Total Forage	76	0.75	10.28	46.2	0.45	....	....
GRAND TOTAL	739	7.32	100.00	632.3	6.23	....	....

TABLE 6

Composition of Catch of One and One-half Inch Mesh Trammel Net With #20/12 Cotton For Inner Wall In 100 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Smallmouth buffalo	1	0.01	0.22	0.2	T	8.7	....
River carpsucker	2	0.02	0.44	1.6	0.02	10.6	9.4–11.4
Spotted sucker	7	0.07	1.55	11.1	0.11	13.3	9.8–19.7
Lake chubsucker	224	2.24	49.67	179.1	1.79	11.2	10.6–13.4
Channel catfish	10	0.10	2.22	8.6	0.09	13.2	11.4–16.5
Total Commercial	244	2.44	54.10	200.6	2.01	....	....
Yellow bass	55	0.55	12.20	31.9	0.32	9.7	6.2–11.8
Largemouth bass	12	0.12	2.66	16.7	0.17	13.6	7.1–18.9
Warmouth	5	0.05	1.11	1.8	0.02	7.9	7.5– 8.3
Redear sunfish	19	0.19	4.21	6.8	0.07	7.3	6.7– 9.1
Bluegill	20	0.20	4.43	6.4	0.06	6.7	5.1– 7.9
Black crappie	34	0.34	7.54	21.1	0.21	9.6	7.5–13.4
White crappie	2	0.02	0.44	0.5	0.01	7.5	6.7– 8.3
Chain pickerel	6	0.06	1.33	9.9	0.10	19.7	16.4–20.9
Total Sport	153	1.53	33.92	95.1	0.96	....	....
Longnose gar	5	0.05	1.11	39.1	0.39	39.8	38.1–43.3
Shortnose gar	7	0.07	1.55	19.1	0.19	25.5	21.6–28.3
Spotted gar	21	0.21	4.66	50.3	0.50	23.8	19.7–29.5
Total Predatory	33	0.33	7.32	108.5	1.08	....	....
Gizzard shad	21	0.21	4.66	11.4	0.11	11.1	6.7–14.2
Total Forage	21	0.21	4.66	11.4	0.11	....	....
GRAND TOTAL	451	4.51	100.00	415.6	4.16	....	....

TABLE 7

Composition of Catch of Two Inch Mesh Trammel Net With #20/6 Cotton For Inner Wall In 100 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Smallmouth buffalo	1	0.01	0.15	6.0	0.06	18.9	....
River carpsucker	23	0.23	3.43	38.2	0.38	13.4	10.6–15.4
Spotted sucker	2	0.02	0.30	4.5	0.05	15.8	14.2–17.3
Lake chubsucker	82	0.82	12.22	86.7	0.87	12.0	11.0–13.8
Yellow bullhead	5	0.05	0.75	9.4	0.09	14.4	12.6–16.9
Black bullhead	2	0.02	0.30	4.6	0.05	15.8	15.0–16.5
Channel catfish	6	0.06	0.89	17.3	0.17	19.5	18.5–22.4
Freshwater drum	5	0.05	0.75	5.2	0.05	12.0	10.2–15.0
Total Commercial	126	1.26	18.79	171.9	1.72	....	....
White bass	2	0.02	0.30	2.9	0.03	13.8	13.4–14.2
Yellow bass	12	0.12	1.79	9.2	0.09	10.4	7.9–11.8
Kentucky bass	1	0.01	0.15	1.5	0.02	14.6	....
Largemouth bass	7	0.07	1.04	12.3	0.12	14.2	13.4–15.4
Warmouth	1	0.01	0.15	0.4	T	8.7	....
Redear	17	0.17	2.53	12.6	0.13	9.4	9.1–11.0
Bluegill	62	0.62	9.25	39.0	0.39	8.7	7.1– 9.4
Black crappie	24	0.24	3.58	27.9	0.28	11.7	8.7–13.8
White crappie	8	0.08	1.19	9.7	0.10	12.6	11.0–15.0
Chain pickerel	6	0.06	0.89	17.3	0.17	22.0	20.9–23.2
Total Sport	140	1.40	20.87	132.8	1.33	....	....
Shortnose gar	6	0.06	0.89	23.0	0.23	28.0	26.4–31.5
Spotted gar	29	0.29	4.32	103.4	1.03	27.7	22.8–35.0
Bowfin	3	0.03	0.45	15.8	0.16	25.3	22.8–28.7
Total Predatory	38	0.38	5.66	142.2	1.42	....	....
Gizzard shad	367	3.67	54.68	325.2	3.25	13.2	5.1–16.1
Total Forage	367	3.67	54.68	325.2	3.25	....	....
GRAND TOTAL	671	6.71	100.00	772.1	7.72	....	....

TABLE 8

Composition of Catch of Two Inch Mesh Trammel Net With #20/9 Cotton For Inner Wall In 100 Net Days

Kind of Fish	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Smallmouth buffalo	1	0.01	0.23	4.0	0.04	17.7	....
Black buffalo	2	0.02	0.47	21.3	0.21	23.8	20.9–26.8
River carpsucker	10	0.10	2.35	16.1	0.16	13.8	13.0–15.0
Spotted sucker	6	0.06	1.41	13.9	0.14	15.4	14.6–17.7
Carp	1	0.01	0.23	5.0	0.05	21.2	....
Lake chubsucker	106	1.06	24.89	118.6	1.19	11.8	10.2–13.8
Black bullhead	2	0.02	0.47	6.6	0.07	17.1	16.9–17.3
Yellow bullhead	1	0.01	0.23	1.4	0.01	15.0	....
Channel catfish	4	0.04	0.94	4.9	0.05	15.0	14.2–15.8
Freshwater drum	4	0.04	0.94	5.4	0.05	13.3	11.0–17.3
Total Commercial	137	1.37	32.16	197.2	1.97	....	....
White bass	2	0.02	0.47	3.1	0.03	13.4	12.6–14.2
Yellow bass	10	0.10	2.35	9.6	0.10	11.3	10.2–11.8
Largemouth bass	4	0.04	0.94	5.8	0.06	13.8	13.0–14.6
Warmouth	1	0.01	0.23	0.5	0.01	8.3	....
Redear sunfish	17	0.17	3.99	11.4	0.11	9.1	8.7– 9.5
Bluegill	32	0.32	7.51	19.1	0.19	7.8	7.5– 9.1
Black crappie	27	0.27	6.35	29.4	0.29	12.2	10.2–15.0
White crappie	28	0.28	6.57	25.6	0.26	11.4	10.6–14.2
Chain pickerel	5	0.05	1.17	16.0	0.16	22.8	20.9–23.6
Total Sport	126	1.26	29.58	120.5	1.21	....	....
Longnose gar	5	0.05	1.17	26.0	0.26	37.7	32.3–43.3
Shortnose gar	5	0.05	1.17	13.7	0.14	29.4	24.4–32.3
Spotted gar	15	0.15	3.53	57.9	0.58	29.0	24.4–32.7
Bowfin	1	0.01	0.23	4.2	0.04	22.4	....
Total Predatory	26	0.26	6.10	101.8	1.02	....	....
Gizzard shad	136	1.36	31.93	121.5	1.22	13.1	10.2–16.1
Mullet	1	0.01	0.23	3.1	0.03	17.3	....
Total Forage	137	1.37	32.16	124.6	1.25	....	....
GRAND TOTAL	426	4.26	100.00	544.1	5.45	....	....

TABLE 9

Composition of Catch of Two Inch Mesh Trammel Net With #20/12 Cotton For Inner Wall In 100 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
ack buffalo	2	0.02	0.80	28.1	0.28	27.8	25.6–29.1
iver carpsucker	6	0.06	2.40	90.0	0.90	14.0	12.6–15.4
potted sucker	7	0.07	2.80	17.1	0.17	16.1	13.4–18.9
ake chubsucker	99	0.99	39.60	112.8	1.13	16.7	9.1–14.2
hannel catfish	12	0.12	4.80	25.3	0.25	15.1	10.6–32.3
Total Commercial	126	1.26	50.40	273.3	2.73	....	....
ellow bass	6	0.06	2.40	5.3	0.05	10.5	10.2–10.6
argemouth bass	5	0.05	2.00	16.7	0.17	14.1	10.2–15.4
edear sunfish	9	0.09	3.60	5.8	0.06	9.1	7.9–10.2
luegill	7	0.07	2.80	4.3	0.04	8.7	8.3– 9.4
lack crappie	21	0.21	8.40	22.5	0.23	12.0	10.6–13.0
White crappie	2	0.02	0.80	1.8	0.02	11.8	....
hain pickerel	3	0.03	1.20	8.3	0.08	21.5	20.5–22.4
Total Sport	53	0.53	21.20	64.7	0.65	....	....
ongnose gar	2	0.02	0.80	16.8	0.17	37.4	31.5–43.3
hortnose gar	3	0.03	1.20	10.6	0.11	25.3	23.6–27.1
potted gar	5	0.05	2.00	21.1	0.21	19.7	8.7–30.7
Total Predatory	10	0.01	4.00	48.5	0.49	....	....
izzard shad	59	0.59	23.60	54.7	0.55	11.2	10.0–15.4
Mullet	2	0.02	0.80	5.4	0.05	17.7	....
Total Forage	61	0.61	24.40	60.2	0.60	....	....
GRAND TOTAL	250	2.50	100.00	446.7	4.47	....	....

TABLE 10

Composition of Catch of One Inch Mesh Trammel Net With #35/3 Linen For Inner Wall In 100 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range I Length
Black buffalo	1	0.01	0.04	3.2	0.03	17.7	....
River carpsucker	10	0.10	0.42	19.6	0.20	12.9	5.5–22.
Blacktail redhorse	2	0.02	0.08	1.2	0.01	10.4	7.1–13.
Spotted sucker	4	0.04	0.16	1.1	0.01	8.3	5.9–11.
Carp	16	0.16	0.66	3.2	0.03	6.8	5.5– 8.
Lake chubsucker	311	3.11	12.73	227.1	2.27	10.9	8.3–12.
Yellow bullhead	15	0.15	0.62	15.6	0.16	11.9	7.5–14.
Black bullhead	7	0.07	0.28	17.5	0.18	15.2	7.1–19.
Channel catfish	118	1.18	4.82	58.1	0.58	10.3	6.3–20.
Blue catfish	2	0.02	0.08	0.7	0.01	9.5	8.3–10.
Flathead catfish	1	0.01	0.04	2.2	0.02	16.9	....
Freshwater drum	1	0.01	0.04	0.1	T	6.7	....
Total Commercial	488	4.88	19.97	349.6	3.50	....	....
White bass	3	0.03	0.12	0.9	0.01	8.2	7.1– 8.
Yellow bass	361	3.61	14.78	89.4	0.89	8.1	6.7–10.
Spotted bass	1	0.01	0.04	0.4	T	7.5	......
Largemouth bass	37	0.37	1.52	56.2	0.56	12.1	7.1–21.
Warmouth	90	0.90	3.68	17.5	0.18	6.1	4.7– 7.
Redear sunfish	321	3.21	13.14	47.2	0.47	5.8	4.7– 9.
Longear sunfish	27	0.27	1.11	2.5	0.03	4.5	4.3– 5.
Stumpknocker	2	0.02	0.08	0.2	T	4.7	4.5– 4.
Orangespotted sunfish	4	0.04	0.16	0.6	0.01	4.5	4.3, 5.
Bluegill	318	3.18	12.01	39.8	0.40	5.4	4.3– 9.
Black crappie	92	0.92	3.77	21.0	0.21	7.0	5.5–14.
White crappie	13	0.13	0.53	2.4	0.02	6.9	6.3– 9.
Sauger	1	0.01	0.04	0.3	T	10.2	....
Chain pickerel	68	0.68	2.79	63.0	0.63	16.5	14.6–17.
Total Sport	1,338	13.38	54.77	341.4	3.41	....	....
Alligator gar	1	0.01	0.04	7.9	0.08	37.4	....
Longnose gar	20	0.20	0.82	96.4	0.96	36.5	21.7–47.
Shortnose gar	15	0.15	0.61	30.6	0.31	24.1	15.7–27.
Spotted gar	27	0.27	1.11	66.7	0.67	24.0	14.9–34.
Total Predatory	63	0.63	2.57	201.6	2.02	....	....
Gizzard shad	114	1.14	4.67	59.9	0.60	10.3	6.3–16.
Threadfin shad	402	4.02	18.46	51.7	0.52	7.0	6.7– 7.
River herring	3	0.03	0.12	0.4	T	7.1	6.7– 7.
Golden shiner	30	0.30	1.23	6.2	0.06	7.9	7.1– 8.
Madtom	1	0.01	0.04	0.1	T	3.9	....
American eel	2	0.02	0.08	2.0	0.02	21.7	21.5–21.
Hogchoker	2	0.02	0.08	0.2	T	5.5	5.2– 5.
Total Forage	554	5.54	22.68	120.5	1.20	....	....
GRAND TOTAL	2,443	24.43	100.00	1,013.1	10.13	....	....

TABLE 11

Composition of Catch of One Inch Mesh Trammel Net With #18/3 Linen For Inner Wall In 100 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
lacktail redhorse	3	0.03	0.37	1.2	0.01	10.4	10.2–10.6
potted sucker	2	0.02	0.25	4.1	0.04	14.8	13.8–15.8
ake chubsucker	32	0.32	3.92	20.5	0.21	10.2	8.3–11.0
ellow bullhead	2	0.02	0.25	2.3	0.02	13.0	....
hannel catfish	74	0.74	9.07	31.2	0.31	10.5	7.5–19.7
Total Commercial	113	1.13	13.86	59.3	0.59	....	....
ellow bass	102	1.02	12.50	20.4	0.20	7.4	5.5–10.6
argemouth bass	7	0.07	0.86	4.2	0.04	9.4	6.3–14.6
armouth	26	0.26	3.18	4.8	0.05	5.8	4.3– 8.3
edear sunfish	55	0.55	6.74	6.2	0.06	5.4	4.7– 6.3
ongear sunfish	7	0.07	0.86	0.6	0 01	4.3	....
luegill	136	1.36	16.67	17.5	0.18	5.2	4.3– 8.3
lack crappie	43	0.43	5.27	7.2	0.07	6.3	5.5–12.6
hite crappie	9	0.09	1.10	1.3	0.01	6.5	5.1– 9.8
hain pickerel	2	0.02	0.25	1.8	0.02	13.4	....
Total Sport	387	3.87	47.43	64.0	0.64	....	....
ongnose gar	7	0.07	0.86	33.0	0.33	33.4	21.3–46.8
potted gar	5	0.05	0.61	12.9	0.13	25.1	16.5–35.4
Total Predatory	12	0.12	1.47	45.9	0.46	....	....
izzard shad	88	0.88	1.78	14.6	0.15	7.6	5.9–16.1
hreadfin shad	190	1.90	23.28	23.0	0.23	7.1	6.7– 7.4
iver herring	10	0.10	1.22	2.0	0.02	6.8	6.3– 7.1
olden shiner	15	0.15	1.84	2.1	0.02	7.6	6.7– 9.1
ullet	1	0.01	0.12	0.1	T	8.3	....
Total Forage	304	3.04	37.24	41.8	0.42	....	....
GRAND TOTAL	816	8.16	100.00	211.0	2.11	....	....

TABLE 12

Composition of Catch of One and One-half Inch Mesh Trammel Net With #35/3 Linen For Inner Wall In 38 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Bigmouth buffalo	1	0.03	0.32	4.2	0.11	17.7	....
Black buffalo	1	0.03	0.32	0.8	0.02	11.4	....
River carpsucker	7	0.18	2.22	10.1	0.26	13.3	11.4–16.5
Spotted sucker	1	0.03	0.32	1.8	0.05	15.0	....
Carp	8	0.21	2.54	18.7	0.49	14.0	10.6–24.4
Blacktailed redhorse	2	0.05	0.63	3.3	0.09	15.4	15.0–15.8
Yellow bullhead	1	0.03	0.32	2.0	0.05	15.4	....
Channel catfish	8	0.21	2.54	16.3	0.43	16.9	15.4–21.3
Blue catfish	3	0.08	0.95	6.1	0.16	17.6	15.8–20.5
Freshwater drum	2	0.05	0.63	3.0	0.08	13.8	11.8–15.8
Total Commercial	34	0.90	10.79	66.3	1.74	....	....
Yellow bass	30	0.79	9.53	26.1	0.68	10.5	6.7–12.2
White bass	1	0.03	0.32	1.3	0.03	13.4	....
Largemouth bass	4	0.10	1.27	4.8	0.12	13.0	10.2–14.6
Warmouth	3	0.08	0.95	1.7	0.04	8.1	5.5– 9.4
Redear sunfish	1	0.03	0.32	0.8	0.02	8.7	....
Black crappie	5	0.13	1.59	5.4	0.14	11.5	9.5–13.5
White crappie	10	0.26	3.17	9.3	0.24	11.6	7.5–14.6
Total Sport	54	1.42	17.15	49.4	1.27	....	....
Longnose gar	5	0.13	1.59	32.6	0.86	38.9	32.7–43.3
Shortnose gar	9	0.24	2.85	25.9	0.68	29.4	27.6–33.1
Spotted gar	19	0.50	6.03	57.4	1.51	26.5	16.5–29.9
Bowfin	1	0.03	0.32	2.9	0.08	20.5	....
Total Predatory	34	0.90	10.79	118.8	3.13	....	....
Gizzard shad	190	5.00	60.32	187.9	4.94	13.9	11.4–15.0
Threadfin shad	2	0.05	0.63	0.2	0.01	7.5	....
Mullet	1	0.03	0.32	2.0	0.05	16.1	....
Total Forage	193	5.08	61.27	190.1	5.00	....	....
GRAND TOTAL	315	8.30	100.00	424.6	11.14	....	....

TABLE 13

Composition of Catch of One and One-half Inch Mesh Trammel Net With #18/3 Linen For Inner Wall In 100 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Smallmouth buffalo	2	0.02	0.20	0.8	0.01	8.9	8.3- 9.4
River carpsucker	4	0.04	0.40	2.8	0.03	10.8	10.2-11.0
Spotted sucker	7	0.07	0.70	9.6	0.10	13.4	12.2-17.7
Lake chubsucker	130	1.30	13.05	100.4	1.00	11.4	9.1-13.4
Yellow bullhead	7	0.07	0.70	6.6	0.07	11.8	10.2-12.6
Channel catfish	49	0.49	4.92	41.4	0.41	12.9	9.4-17.3
Blue catfish	7	0.07	0.70	4.7	0.05	12.6	11.8-14.6
Freshwater drum	2	0.02	0.20	0.8	0.01	9.0	8.7- 9.4
Total Commercial	208	2.08	20.87	167.1	1.68	....	....
Yellow bass	265	2.65	26.62	138.8	1.39	9.6	6.3-11.0
Spotted bass	1	0.01	0.10	0.6	0.01	10.2	....
Largemouth bass	16	0.16	1.61	29.1	0.29	13.8	9.8-21.6
Warmouth	6	0.06	0.60	2.8	0.03	7.9	7.5- 9.4
Redear sunfish	43	0.43	4.32	13.0	0.13	7.3	6.3- 8.3
Bluegill	43	0.43	4.32	11.7	0.12	6.7	6.3- 8.3
Black crappie	46	0.46	4.62	24.9	0.25	9.6	7.9-15.0
White crappie	14	0.14	1.41	6.2	0.06	8.8	6.7-11.4
Chain pickerel	10	0.10	1.00	15.0	0.15	18.4	15.8-19.7
Total Sport	444	4.44	44.60	242.1	2.43	....	....
Longnose gar	9	0.09	0.90	48.5	0.49	37.1	28.0-41.3
Shortnose gar	44	0.44	4.42	82.4	0.82	23.5	21.3-29.5
Spotted gar	103	1.03	10.34	150.1	1.50	22.1	17.7-26.0
Total Predatory	156	1.56	15.66	281.0	2.81	....	....
Gizzard shad	186	1.86	18.67	121.3	1.21	11.4	7.1-15.8
Threadfin shad	2	0.02	0.20	0.1	T	3.5	....
Total Forage	188	1.88	18.87	121.4	1.21	....	....
GRAND TOTAL	996	9.96	100.00	811.6	8.13	....	....

TABLE 14

Composition of Catch of Two Inch Mesh Trammel Net With #35/3 Linen For Inner Wall In 100 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Bigmouth buffalo	2	0.02	0.09	3.9	0.04	13.5	11.0–16.1
Smallmouth buffalo	18	0.18	0.80	12.5	0.13	9.4	8.3–16.1
River carpsucker	16	0.16	0.71	23.8	0.24	12.5	10.6–15.8
Spotted sucker	62	0.62	2.76	64.3	0.64	11.8	10.2–18.1
Carp	3	0.03	0.13	4.5	0.05	11.7	8.7–17.3
Lake chubsucker	550	5.50	24.43	457.4	4.57	11.1	8.7–12.6
Black bullhead	3	0.03	0.13	2.2	0.02	10.6	9.8–11.0
Yellow bullhead	17	0.17	0.76	19.3	0.19	11.4	9.3–13.8
Channel catfish	50	0.50	2.22	45.3	0.45	13.2	8.3–21.6
Blue catfish	9	0.09	0.40	7.2	0.07	12.3	11.8–12.6
Freshwater drum	4	0.04	0.18	3.5	0.04	11.0	9.1–13.8
Total Commercial	734	7.34	32.61	643.9	6.44	....	....
Yellow bass	203	2.03	9.02	102.2	1.02	9.9	7.5–13.8
White bass	13	0.13	0.58	27.6	0.28	15.4	12.2–15.8
Spotted bass	1	0.01	0.04	1.7	0.02	14.6	....
Largemouth bass	25	0.25	1.11	45.9	0.46	13.8	9.8–21.3
Warmouth	13	0.13	0.58	7.0	0.07	8.0	6.7– 9.4
Redear sunfish	73	0.73	3.24	33.0	0.33	8.0	5.9–11.4
Bluegill	161	1.61	7.15	55.1	0.55	7.0	6.3– 9.1
Black crappie	185	1.85	8.22	92.4	0.92	9.4	7.5–14.2
White crappie	48	0.48	2.13	33.6	0.34	10.0	7.1–14.2
Sauger	1	0.01	0.04	1.4	0.01	16.9	....
Chain pickerel	44	0.44	1.96	71.2	0.71	18.8	13.8–22.4
Total Sport	767	7.67	34.07	471.1	4.71	....	....
Longnose gar	1	0.01	0.04	5.4	0.05	35.4	....
Shortnose gar	31	0.31	1.38	60.3	0.60	23.1	20.5–27.6
Spotted gar	161	1.61	7.15	273.9	2.74	22.8	19.7–31.5
Bowfin	5	0.05	0.22	22.5	0.23	22.5	20.9–24.4
Total Predatory	198	1.98	8.79	362.1	3.62	....	....
Gizzard shad	546	5.46	24.26	298.8	2.99	11.1	8.7–16.1
River herring	6	0.06	0.27	4.1	0.04	12.9	12.6–14.6
Total Forage	552	5.52	24.53	302.9	3.03	....	....
GRAND TOTAL	2,251	22.51	100.00	1,780.0	17.80	....	....

TABLE 15

Composition of Catch of Two Inch Mesh Trammel Net With #18/3 Linen For Inner Wall In 103 Net Days

Kind of Fish	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Smallmouth buffalo	1	0.01	0.07	0.7	0.01	11.8	....
Black buffalo	7	0.07	0.52	13.1	0.13	14.2	11.4–19.7
River carpsucker	20	0.19	1.49	30.7	0.30	15.0	13.4–24.0
Spotted sucker	4	0.04	0.30	7.8	0.08	15.0	13.0–17.7
Carp	8	0.08	0.59	18.9	0.18	15.2	11.8–22.0
Lake chubsucker	329	3.19	24.44	343.4	3.33	11.9	11.4–14.6
Black bullhead	5	0.05	0.37	7.8	0.08	13.0	10.6–16.9
Yellow bullhead	2	0.02	0.15	2.9	0.03	13.2	12.6–13.8
Channel catfish	21	0.20	1.56	39.6	0.38	16.8	13.8–20.9
Blue catfish	4	0.04	0.30	7.0	0.07	17.0	15.4–20.1
Freshwater drum	5	0.05	0.37	7.4	0.07	14.3	10.6–17.3
Total Commercial	406	3.94	30.16	479.3	4.66	....	....
White bass	2	0.02	0.15	1.4	0.01	10.2	6.7–13.8
Yellow bass	182	1.76	13.52	157.9	1.54	10.9	7.5–12.2
Largemouth bass	17	0.17	1.26	29.0	0.28	14.5	12.2–18.9
Warmouth	1	0.01	0.07	0.7	0.01	9.5	....
Redear sunfish	28	0.27	2.08	19.8	0.19	9.2	7.9–11.2
Bluegill	60	0.58	4.47	34.1	0.33	7.9	7.1– 9.1
Black crappie	52	0.50	3.86	49.5	0.48	11.5	9.4–13.4
White crappie	17	0.17	1.26	20.8	0.20	11.6	9.8–15.4
Sauger	2	0.02	0.15	4.2	0.04	18.1	....
Chain pickerel	7	0.07	0.52	16.8	0.16	22.4	20.9–24.4
Total Sport	368	3.57	27.34	334.2	3.24	....	....
Longnose gar	16	0.16	1.19	102.3	0.99	39.3	33.5–57.1
Shortnose gar	22	0.21	1.63	73.6	0.71	28.8	24.8–31.5
Spotted gar	51	0.50	3.80	149.3	1.46	26.9	22.4–33.5
Bowfin	3	0.03	0.32	27.4	0.27	25.2	19.7–28.0
Total Predatory	92	0.90	6.84	352.6	3.43	....	....
Gizzard shad	477	4.63	35.44	408.3	3.96	12.8	6.3–16.5
River herring	3	0.03	0.22	2.5	0.02	12.2	11.4–13.8
Total Forage	480	4.66	35.66	410.8	3.98	....	....
GRAND TOTAL	1,346	13.07	100.00	1,576.9	15.31	....	....

TABLE 16

Composition of Catch of One Inch Mesh Trammel Net With #69 Bonded Nylon For Inner Wall In 121 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Bigmouth buffalo	3	0.02	0.05	19.3	0.16	19.6	16.1–22.1
Smallmouth buffalo	11	0.09	0.18	16.4	0.14	10.8	5.5–19.3
Black buffalo	5	0.04	0.09	30.2	0.25	20.6	16.5–24.0
River carpsucker	26	0.21	0.44	58.0	0.48	15.0	5.5–18.9
Blacktail redhorse	18	0.15	0.31	12.3	0.10	11.7	7.9–12.2
Spotted sucker	14	0.12	0.24	17.1	0.14	12.2	5.9–18.1
Carp	31	0.26	0.53	78.1	0.65	13.3	6.7–24.0
Lake chubsucker	203	1.68	3.44	153.5	1.27	10.9	7.1–16.1
Black bullhead	9	0.07	0.15	13.2	0.11	12.9	12.6–13.8
Yellow bullhead	49	0.40	0.83	64.6	0.53	12.1	6.3–16.9
Channel catfish	687	5.68	11.64	371.7	3.07	11.8	7.1–21.7
Blue catfish	42	0.35	0.72	27.3	0.23	11.6	7.5–20.1
Flathead catfish	3	0.02	0.05	6.3	0.05	15.8	12.6–19.3
Freshwater drum	52	0.43	0.88	48.8	0.40	10.1	5.5–18.9
Total Commercial	1,153	9.52	19.55	916.8	7.58	....	....
White bass	41	0.34	0.69	15.5	0.13	9.3	8.3–10.6
Yellow bass	452	3.73	7.66	214.3	1.77	9.4	5.5–13.4
Spotted bass	7	0.06	0.12	5.6	0.05	10.4	7.1–13.8
Largemouth bass	113	0.93	1.92	108.1	0.89	11.0	7.1–24.0
Warmouth	217	1.79	3.68	49.4	0.41	16.0	4.7– 9.8
Redear sunfish	198	1.64	3.36	41.9	0.35	6.5	4.3– 9.4
Longear sunfish	102	0.84	1.73	9.4	0.08	4.8	3.9– 5.9
Stumpknocker	4	0.03	0.06	0.7	T	6.0	4.3– 7.5
Flier	3	0.02	0.05	0.3	T	4.5	4.3– 4.7
Bluegill	801	6.63	13.57	137.0	1.05	5.9	4.3– 7.9
Black crappie	579	4.78	9.82	201.6	1.67	8.4	5.1–14.6
White crappie	188	1.55	3.19	89.1	0.77	8.4	5.1–14.2
Sauger	3	0.03	0.05	3.4	0.02	14.1	11.4–15.8
Chain pickerel	21	0.17	0.36	26.7	0.22	18.2	13.8–19.7
Total Sport	2,729	22.54	46.26	903.0	7.41	....	....
Alligator gar	1	0.01	0.02	6.0	0.05	31.9	....
Longnose gar	23	0.19	0.39	209.3	1.73	40.2	22.8–55.1
Shortnose gar	43	0.36	0.73	95.7	0.79	25.4	16.9–32.3
Spotted gar	94	0.78	1.59	237.2	1.96	24.5	13.8–33.5
Bowfin	10	0.08	0.17	38.2	0.32	21.2	15.4–27.2
Needlefish	1	0.01	0.02	0.8	T	23.6	....
Total Predatory	172	1.43	2.92	587.2	4.85	....	....
Gizzard shad	1,453	12.01	24.63	424.6	3.61	9.1	3.9–17.7
Threadfin shad	346	2.86	5.86	44.0	0.36	6.5	3.5– 7.1
River herring	20	0.17	0.34	6.0	0.05	9.4	6.7–10.6
Golden shiner	17	0.14	0.28	4.0	0.03	6.8	4.8– 8.3
Mullet	4	0.03	0.06	1.8	0.01	10.2	9.8–11.0
Flounder	3	0.02	0.05	0.3	T	3.5	....
Silver perch	3	0.02	0.05	0.3	T	5.5	....
Total Forage	1,846	15.25	31.27	481.0	4.06	....	....
GRAND TOTAL	5,900	48.74	100.00	2,888.0	23.90	....	....

TABLE 17

Composition of Catch of One Inch Mesh Trammel Net With #104 Bonded Nylon For Inner Wall In 108 Net Days

Kind of Fish	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Bigmouth buffalo	2	0.02	0.04	2.6	0.02	11.0	6.7–15.4
Smallmouth buffalo	2	0.02	0.04	3.1	0.03	11.8	7.1–16.5
River carpsucker	11	0.10	0.24	15.7	0.15	12.1	9.1–13.4
Spotted sucker	83	0.77	1.79	74.4	0.69	11.3	8.3–19.7
Carp	3	0.03	0.06	4.7	0.04	11.4	5.9–18.9
Lake chubsucker	82	0.76	1.77	57.6	0.53	10.3	6.7–11.8
Black bullhead	15	0.14	0.32	26.1	0.24	14.3	9.8–16.5
Yellow bullhead	42	0.39	0.91	46.2	0.43	11.3	7.1–13.8
Channel catfish	723	6.69	15.60	245.9	2.28	9.6	7.9–16.9
Blue catfish	1	0.01	0.02	1.0	0.01	13.4	....
Flathead catfish	1	0.01	0.02	0.6	0.01	11.0	....
Freshwater drum	4	0.04	0.09	5.5	0.05	12.7	7.9–17.7
Total Commercial	969	8.98	20.90	483.4	4.48	....	....
White bass	6	0.06	0.13	4.2	0.04	9.6	8.3–13.4
Yellow bass	702	6.50	15.15	226.9	2.10	8.2	6.7–12.2
Spotted bass	1	0.01	0.02	0.5	T	9.1	....
Largemouth bass	71	0.66	1.53	107.8	1.00	12.4	7.1–19.7
Warmouth	41	0.38	0.88	12.5	0.12	6.5	4.7– 8.7
Redear sunfish	70	0.65	1.51	16.3	0.15	6.6	4.7– 9.8
Longear sunfish	66	0.61	1.42	6.5	0.06	5.1	4.3– 6.3
Bluegill	201	1.86	4.34	40.1	0.37	5.9	3.9– 8.7
Flier	1	0.01	0.02	0.1	T	4.3	....
Black crappie	274	2.54	5.91	116.4	1.08	8.2	5.5–14.6
White crappie	24	0.22	0.52	9.8	0.09	7.7	5.1–13.0
Chain pickerel	32	0.30	0.69	32.6	0.30	16.1	14.2–20.7
Total Sport	1,489	13.80	32.12	573.7	5.31	....	....
Longnose gar	26	0.24	0.56	50.5	0.47	26.7	21.7–39.4
Shortnose gar	23	0.21	0.50	68.5	0.63	26.3	21.7–35.4
Spotted gar	152	1.41	3.28	305.8	2.83	22.1	12.2–35.4
Bowfin	2	0.02	0.04	6.2	0.06	18.9	14.2–23.6
Total Predatory	203	1.88	4.38	431.0	3.99	....	....
Gizzard shad	1,905	17.64	41.11	416.3	3.85	8.3	5.9–15.8
River herring	26	0.24	0.56	5.4	0.05	9.2	7.1–10.2
Golden shiner	37	0.34	0.80	7.1	0.06	7.7	6.3– 7.9
Mullet	5	0.05	0.11	14.6	0.13	18.3	18.1–18.5
Mooneye	1	0.01	0.02	1.1	0.01	13.0	....
Total Forage	1,974	18.28	42.60	444.5	4.10	....	....
GRAND TOTAL	4,635	42.94	100.00	1,932.6	17.88	....	....

TABLE 18

Composition of Catch of One Inch Mesh Trammel Net With #139 Booded Nylon In 115 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range I Lengt
Bigmouth buffalo	3	0.03	0.07	12.5	0.11	15.6	10.7–22.
Smallmouth buffalo	2	0.02	0.05	6.3	0.06	15.3	10.6–20.
Black buffalo	3	0.03	0.07	14.0	0.12	18.4	14.6–22.
River carpsucker	11	0.10	0.28	26.1	0.23	15.4	13.0–19.
Blacktail redhorse	8	0.07	0.20	6.4	0.06	12.2	9.8–15.
Spotted sucker	10	0.09	0.25	13.0	0.11	12.8	7.9–18.
Carp	17	0.15	0.42	44.2	0.38	13.6	4.7–24.
Lake chubsucker	231	2.01	5.74	159.8	1.39	11.0	7.9–11.
Black bullhead	2	0.03	0.10	14.2	0.12	16.9	15.3–17.
Yellow bullhead	44	0.38	1.09	46.3	0.40	11.9	5.5–15.
Channel catfish	356	3.10	8.86	208.4	1.81	11.5	5.9–27.
Blue catfish	26	0.23	0.64	20.7	0.18	12.6	10.6–21.
Flathead catfish	1	0.01	0.02	4.3	0.04	21.7	……..
Freshwater drum	15	0.13	0.38	12.4	0.11	10.3	6.3–18.
Total Commercial	731	6.38	18.17	588.6	5.12	….	……..
White bass	12	0.10	0.30	3.5	0.03	8.5	7.8– 9.
Yellow bass	320	2.78	7.96	126.5	1.10	8.9	5.9–12.
Spotted bass	18	0.16	0.45	7.5	0.07	8.8	7.1–13.
Largemouth bass	67	0.58	1.66	106.5	0.93	12.5	6.7–20.
Warmouth	118	1.03	2.94	35.2	0.31	7.2	4.3–10.
Redear sunfish	159	1.38	3.95	37.7	0.33	6.7	4.3–10.
Longear sunfish	30	0.26	0.75	3.9	0.03	5.0	3.9– 6.
Stumpknocker	3	0.03	0.07	0.5	T	5.4	5.1– 5.
Bluegill	286	2.48	7.11	59.7	0.52	5.6	3.9– 9.
Black crappie	248	2.16	6.16	94.9	0.83	8.0	5.1–15.
White crappie	86	0.74	2.14	39.9	0.35	8.6	5.5–14.
Sauger	7	0.06	0.17	4.7	0.04	11.0	9.1–17.
Chain Pickerel	24	0.21	0.60	23.3	0.20	17.6	11.8–18.
Total Sport	1,378	11.97	34.26	543.7	4.74	….	……..
Alligator gar	4	0.03	0.10	40.3	0.35	37.7	29.5–43.
Longnose gar	37	0.32	0.93	304.1	2.64	40.3	20.8–53.
Shortnose gar	16	0.14	0.40	31.0	0.27	26.2	20.4–32.
Spotted gar	97	0.84	2.41	237.5	2.07	24.5	14.6–33.
Bowfin	6	0.05	0.15	27.2	0.24	22.8	20.5–25.
Needlefish	3	0.03	0.07	2.5	0.02	19.7	……..
Total Predatory	163	1.41	4.06	642.6	5.59	….	……..
Gizzard shad	1,175	10.22	29.22	303.9	2.64	8.6	5.9–15.
Threadfin shad	535	4.65	13.30	62.3	0.54	6.9	6.3– 7.
River herring	4	0.03	0.10	3.5	0.03	12.1	7.9–15.
Golden shiner	31	0.27	0.77	6.1	0.05	7.8	6.3– 8.
Mullet	4	0.03	0.10	1.5	0.01	9.2	7.9–11.
Hogchoker	1	0.01	0.02	0.1	T	3.9	……..
Total Forage	1,750	15.21	43.51	377.4	3.27	….	……..
GRAND TOTAL	4,022	34.97	100.00	2,152.3	18.72	….	……..

TABLE 19

Composition of Catch of One and One-half Inch Mesh Trammel Net With #69 Bonded Nylon For Inner Wall In 107 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Paddlefish	1	0.01	0.02	11.0	0.10	38.2	....
Bigmouth buffalo	2	0.02	0.05	7.3	0.07	17.5	16.9–18.1
Smallmouth buffalo	14	0.13	0.33	15.2	0.14	11.3	7.9–17.7
River carpsucker	47	0.44	1.10	75.1	0.70	12.7	8.7–19.7
Spotted sucker	32	0.30	0.75	62.8	0.59	14.5	9.8–17.7
Carp	2	0.02	0.05	1.0	0.01	9.8	9.1–10.6
Lake chubsucker	39	0.36	0.91	36.0	0.34	11.5	8.7–12.6
Black bullhead	7	0.07	0.16	10.0	0.09	12.0	7.9–16.5
Yellow bullhead	39	0.36	0.91	41.4	0.39	12.4	11.0–14.2
Channel catfish	244	2.28	5.71	264.9	2.47	14.0	10.6–23.6
Blue catfish	18	0.17	0.42	17.9	0.17	13.5	11.4–15.8
Flathead catfish	1	0.01	0.02	0.8	0.01	13.0	....
Freshwater drum	14	0.13	0.33	17.9	0.17	12.8	8.7–16.9
Total Commercial	460	4.30	10.76	561.3	5.25	....	....
White bass	6	0.06	0.14	6.7	0.06	11.8	8.7–14.2
Yellow bass	328	3.06	7.68	198.4	1.85	9.8	7.9–12.6
Spotted bass	9	0.08	0.21	8.2	0.08	12.2	10.2–13.0
Largemouth bass	68	0.64	1.59	77.5	0.72	12.2	10.2–21.3
Warmouth	29	0.27	0.68	14.7	0.14	8.0	5.9– 9.8
Redear sunfish	77	0.72	1.80	31.8	0.30	7.4	5.9– 9.1
Longear sunfish	1	0.01	0.02	0.1	T	4.3	....
Bluegill	190	1.77	4.44	71.0	0.66	7.1	5.1– 9.1
Flier	1	0.01	0.02	0.5	T	7.1	....
Black crappie	385	3.60	9.00	239.3	2.24	9.6	6.3–14.6
White crappie	65	0.61	1.52	39.2	0.37	9.9	7.9–11.8
Sauger	5	0.05	0.12	4.3	0.04	13.4	9.8–15.8
Chain pickerel	48	0.45	1.12	76.1	0.71	16.7	14.2–20.5
Total Sport	1,212	11.33	28.34	767.8	7.17	....	....
Longnose gar	9	0.08	0.21	119.1	1.11	45.5	37.8–51.2
Shortnose gar	117	1.09	2.74	260.0	2.43	25.1	13.8–35.0
Spotted gar	348	3.25	8.14	682.8	6.38	23.9	20.1–35.4
Bowfin	5	0.05	0.12	19.4	0.18	22.4	19.7–24.8
Total Predatory	479	4.47	11.21	1,081.3	10.10	....	....
Gizzard shad	1,979	18.50	46.28	212.9	1.99	12.0	9.1–16.1
Threadfin shad	25	0.23	0.58	1.1	0.01	4.6	4.3– 4.7
River herring	120	1.12	2.81	83.8	0.78	13.4	12.6–13.8
Mullet	1	0.01	0.02	1.6	0.01	12.6	....
Total Forage	2,125	19.86	49.69	299.4	2.79	....	....
GRAND TOTAL	4,276	39.96	100.00	2,709.8	25.31	....	....

TABLE 20

Composition of Catch of One and One-half Inch Mesh Trammel Net With #104 Bonded Nylon For Inner Wall In 107 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Bigmouth buffalo	5	0.05	0.10	9.9	0.09	11.8	8.7–21.3
Smallmouth buffalo	21	0.20	0.42	18.5	0.17	10.0	7.9–20.5
Black buffalo	2	0.02	0.04	5.4	0.05	14.6	12.6–16.5
River carpsucker	124	1.16	2.46	133.3	1.25	12.2	10.6–15.8
Spotted sucker	38	0.35	0.76	80.9	0.76	14.1	11.8–17.3
Carp	4	0.04	0.08	8.3	0.08	13.6	12.2–17.7
Lake chubsucker	346	3.23	6.88	261.5	2.44	11.3	9.1–11.8
Black bullhead	12	0.11	0.24	27.7	0.26	15.5	11.0–17.7
Yellow bullhead	43	0.40	0.85	50.2	0.47	11.9	8.7–15.8
Channel catfish	372	3.48	7.40	290.6	2.72	12.8	7.9–16.5
Blue catfish	21	0.20	0.42	31.4	0.29	15.4	12.6–19.3
Flathead catfish	1	0.01	0.02	3.5	0.03	20.9	....
Freshwater drum	23	0.21	0.46	25.7	0.24	12.0	8.3–18.4
Total Commercial	1,012	9.46	20.13	946.9	8.85	....	....
White bass	30	0.28	0.60	25.9	0.24	10.6	7.5–14.6
Yellow bass	742	6.93	14.75	402.4	3.76	9.3	5.5–11.4
Largemouth bass	62	0.58	1.23	107.8	1.01	13.4	7.1–21.7
Warmouth	20	0.19	0.40	9.9	0.09	8.1	6.7– 9.1
Redear sunfish	199	1.86	3.96	74.8	0.70	7.5	6.7–11.0
Longear sunfish	1	0.01	0.02	0.1	T	5.5	....
Bluegill	145	1.35	2.88	53.5	0.50	7.2	5.9– 9.8
Flier	1	0.01	0.02	0.3	T	6.7	....
Black crappie	449	4.20	8.93	275.1	2.57	9.6	7.9–15.4
White crappie	64	0.60	1.27	46.1	0.43	9.7	7.9–13.4
Chain pickerel	78	0.73	1.55	130.6	1.22	18.1	13.8–23.6
Total Sport	1,791	16.74	35.61	1,126.5	10.52	....	....
Longnose gar	7	0.06	0.14	79.4	0.74	41.2	15.8–55.1
Shortnose gar	89	0.83	1.77	192.3	1.80	24.2	20.9–31.5
Spotted gar	212	1.98	4.21	423.3	3.96	23.9	19.7–37.9
Alligator gar	1	0.01	0.02	3.6	0.03	26.4	8
Bowfin	4	0.04	0.08	31.3	0.29	25.7	22.4–30.3
Total Predatory	313	2.92	6.22	729.9	6.82	....	....
Gizzard shad	1,845	17.25	36.69	1,035.9	9.68	11.2	7.9–16.9
River herring	58	0.54	1.15	48.5	0.45	12.9	11.0–14.2
Mullet	10	0.09	0.20	34.8	0.33	18.7	15.4–25.2
Total Forage	1,913	17.88	38.04	1,119.2	10.46	....	....
GRAND TOTAL	5,029	47.00	100.00	3,922.5	36.65	....	....

TABLE 21

Composition of Catch of One and One-half Inch Mesh Trammel Net With #139 Bonded Nylon For Inner Wall In 116 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Bigmouth buffalo	3	0.03	0.08	21.1	0.18	19.8	14.2–25.6
Smallmouth buffalo	12	0.10	0.31	13.7	0.12	11.4	7.9–16.5
Black buffalo	4	0.03	0.10	14.5	0.13	15.1	9.4–24.8
River carpsucker	78	0.67	2.01	63.5	0.55	10.5	9.8–14.2
Spotted sucker	141	1.22	3.63	293.0	2.53	15.5	11.8–18.1
Carp	2	0.02	0.05	4.1	0.02	13.4	9.4–17.3
Lake chubsucker	190	1.64	4.89	159.4	1.37	11.0	7.9–11.8
Black bullhead	10	0.09	0.26	17.1	0.15	13.4	9.8–15.4
Yellow bullhead	43	0.37	1.11	42.9	0.37	11.4	7.1–14.2
Channel catfish	403	3.47	10.38	322.8	2.78	12.5	6.7–20.1
Blue catfish	58	0.50	1.49	58.9	0.51	13.6	12.2–22.0
Freshwater drum	12	0.10	0.31	11.3	0.10	12.7	9.1–15.0
Total Commercial	956	8.24	24.62	1,022.3	8.82	....	....
White bass	22	0.19	0.57	17.9	0.15	10.7	8.7–15.0
Yellow bass	664	5.72	17.09	379.2	3.27	9.4	7.5–12.6
Kentucky bass	1	0.01	0.03	0.6	0.01	10.2	....
Largemouth bass	62	0.53	1.60	107.3	0.93	13.3	7.1–23.6
Warmouth	18	0.16	0.46	8.7	0.08	7.6	7.1– 8.7
Redear sunfish	121	1.04	3.11	43.9	0.38	7.2	6.2–10.2
Longear sunfish	1	0.01	0.03	0.3	T	6.3	....
Bluegill	96	0.83	2.47	29.8	0.26	6.8	4.7– 9.4
Flier	1	0.01	0.03	0.4	T	6.7	....
Black crappie	188	1.62	4.84	121.8	1.05	10.1	5.9–14.2
White crappie	34	0.29	0.87	23.9	0.21	10.6	7.9–14.2
Chain pickerel	198	1.71	5.10	288.9	2.49	18.0	13.8–21.7
Total Sport	1,406	12.12	36.20	1,022.7	8.83	....	....
Alligator gar	1	0.01	0.03	70.0	0.60	65.0	....
Longnose gar	10	0.09	0.26	82.0	0.71	39.0	27.2–51.2
Shortnose gar	40	0.34	1.03	79.7	0.69	23.2	19.7–31.5
Spotted gar	190	1.64	4.89	370.7	3.19	27.7	14.2–33.1
Bowfin	5	0.04	0.13	42.9	0.37	26.8	21.3–30.7
Total Predatory	246	2.12	6.34	645.3	5.56	....	....
Gizzard shad	1,262	10.88	32.49	607.8	5.24	10.5	7.9–17.3
River herring	8	0.07	0.20	6.3	0.05	12.1	11.8–13.8
Mullet	6	0.05	0.15	10.1	0.09	16.8	15.8–18.9
Total Forage	1,276	11.00	32.84	624.2	5.38	....	....
GRAND TOTAL	3,884	33.48	100.00	3,314.5	28.59	....	....

TABLE 22

Composition of Catch of One and One-half Inch Mesh Trammel Net With #208 Bonded Nylon For Inner Wall In 101 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Bigmouth buffalo	3	0.03	0.10	16.4	0.16	18.6	10.6–26.0
Smallmouth buffalo	3	0.03	0.10	3.6	0.04	11.4	9.8–14.6
Black buffalo	2	0.02	0.06	10.2	0.10	20.3	18.9–21.7
River carpsucker	81	0.80	2.57	85.9	0.85	12.0	8.7–20.5
Spotted sucker	16	0.16	0.51	28.6	0.28	14.6	11.4–17.7
Carp	10	0.10	0.32	16.5	0.16	12.2	9.1–24.4
Lake chubsucker	365	3.61	11.59	297.5	2.95	11.3	7.9–12.6
Black bullhead	10	0.10	0.32	18.6	0.18	14.8	11.0–15.7
Yellow bullhead	60	0.59	1.90	67.3	0.67	12.1	10.6–16.5
Channel catfish	153	1.51	4.86	154.8	1.53	13.6	8.7–20.9
Blue catfish	9	0.09	0.28	8.3	0.08	12.8	11.4–15.7
Flathead catfish	6	0.06	0.19	7.1	0.07	12.5	10.6–16.9
Freshwater drum	22	0.22	0.70	12.8	0.13	10.8	9.1–15.4
Total Commercial	740	7.32	23.50	727.6	7.20	....	....
White bass	20	0.20	0.64	9.7	0.10	8.4	8.3–10.2
Yellow bass	368	3.64	11.69	210.6	2.09	9.6	5.9–11.8
Spotted bass	1	0.01	0.03	0.8	0.01	11.0	....
Largemouth bass	40	0.40	1.27	66.6	0.66	13.3	10.6–19.7
Warmouth	47	0.46	1.49	21.8	0.21	8.1	5.9– 9.1
Redear sunfish	91	0.90	2.89	33.6	0.33	7.2	5.5–10.2
Bluegill	128	1.27	4.07	50.4	0.50	7.3	5.9–10.2
Black crappie	133	1.32	4.22	65.1	0.64	9.0	4.7–13.8
White crappie	57	0.56	1.81	41.9	0.41	10.5	7.5–15.7
Chain pickerel	41	0.41	1.30	55.5	0.55	19.3	15.7–20.5
Sauger	3	0.03	0.10	6.0	0.06	17.1	15.7–18.5
Total Sport	929	9.20	29.51	562.0	5.56	....	....
Longnose gar	22	0.22	0.70	214.6	2.12	41.3	26.8–59.1
Shortnose gar	83	0.82	2.64	187.4	1.86	24.4	20.9–34.3
Spotted gar	186	1.84	5.91	439.9	4.36	24.4	20.1–31.9
Alligator gar	1	0.01	0.03	2.4	0.02	23.2	....
Bowfin	6	0.06	0.19	32.1	0.32	22.7	15.7–29.1
Total Predatory	298	2.95	9.47	876.4	8.68	....	....
Gizzard shad	1,158	11.46	36.79	588.7	5.83	11.1	8.7–15.8
River herring	13	0.13	0.41	7.9	0.08	12.7	11.4–13.8
Mullet	10	0.10	0.32	27.4	0.27	16.2	10.6–24.0
Total Forage	1,181	11.69	37.52	624.0	6.18	....	....
GRAND TOTAL	3,148	31.16	100.00	2,790.0	27.62	....	....

TABLE 23

Composition of Catch of Two Inch Mesh Trammel Net With #104 Bonded Nylon Inner Wall In 126 Net Days

Kind of Fish	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Paddlefish	2	0.02	0.07	4.9	0.04	28.9	25.2–32.7
Bigmouth buffalo	12	0.10	0.41	61.9	0.49	18.2	12.2–29.1
Smallmouth buffalo	16	0.13	0.55	59.5	0.47	15.9	9.8–25.2
Black buffalo	20	0.16	0.69	99.6	0.79	17.6	11.4–30.7
River carpsucker	234	1.86	8.04	419.2	3.33	15.0	12.2–20.9
Blacktail redhorse	1	0.01	0.03	1.5	0.01	15.4	....
Spotted sucker	6	0.05	0.21	13.3	0.11	15.6	13.7–18.5
Carp	26	0.21	0.90	101.3	0.80	17.6	10.2–23.2
Lake chubsucker	61	0.48	2.09	65.8	0.52	11.7	11.0–14.6
Black bullhead	47	0.37	1.61	101.8	0.81	15.5	12.6–16.9
Yellow bullhead	14	0.11	0.48	22.3	0.18	14.0	12.6–15.7
Channel catfish	162	1.28	5.56	201.1	1.60	14.7	9.1–21.3
Blue catfish	12	0.10	0.41	22.9	0.18	17.7	16.2–20.1
Flathead catfish	6	0.05	0.21	12.1	0.10	16.3	15.4–18.5
Freshwater drum	84	0.67	2.88	138.9	1.10	13.9	6.2–20.5
Total Commercial	703	5.60	24.14	1,326.1	10.53	....	....
White bass	21	0.17	0.72	25.6	0.20	13.3	10.6–14.6
Yellow bass	348	2.76	11.96	310.0	2.46	11.0	7.1–12.2
Spotted bass	1	0.01	0.03	1.3	0.01	13.4	....
Largemouth bass	29	0.23	1.00	60.2	0.48	15.0	9.1–20.1
Rock bass	1	0.01	0.03	1.0	0.01	11.0	....
Warmouth	3	0.02	0.10	2.9	0.02	9.1	7.9– 9.8
Redear sunfish	53	0.42	1.82	38.5	0.31	9.3	8.7–10.2
Bluegill	116	0.92	3.98	70.4	0.56	8.4	5.1– 9.4
Black crappie	160	1.26	5.49	163.3	1.30	12.0	5.5–13.8
White crappie	114	0.90	3.92	116.3	0.92	12.0	9.8–15.0
Sauger	1	0.01	0.03	2.8	0.02	19.7	....
Total Sport	847	6.71	29.08	792.3	6.29	....	....
Alligator gar	6	0.05	0.21	100.6	0.80	37.1	28.7–55.9
Longnose gar	33	0.26	1.14	202.9	1.61	37.2	26.4–55.1
Shortnose gar	49	0.39	1.68	180.0	1.43	28.9	24.8–32.2
Spotted gar	120	0.95	4.12	453.5	3.60	29.2	21.7–335.
Bowfin	6	0.05	0.21	27.3	0.22	23.8	18.5–26.8
Total Predatory	214	1.70	7.36	964.3	7.66	....	....
Gizzard shad	1,145	9.08	39.32	1,199.7	9.51	14.1	8.7–16.5
River herring	3	0.02	0.10	2.4	0.02	11.8	10.6–14.2
Total Forage	1,148	9.10	39.42	1,202.3	9.53	....	....
GRAND TOTAL	2,912	23.11	100.00	4,285.0	34.01	....	....

TABLE 24

Composition of Catch of Two Inch Mesh Trammel Net With #139 Bonded Nylon For Inner Wall In 117 Net Days

Kind of Fish	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Paddlefish	3	0.03	0.12	62.0	0.53	47.2	31.5–55.
Bigmouth buffalo	5	0.04	0.20	42.5	0.36	22.3	14.2–26.
Smallmouth buffalo	10	0.09	0.40	22.2	0.19	14.2	9.4–18.
River carpsucker	186	1.59	7.35	287.4	2.46	13.5	11.8–20.
Spotted sucker	8	0.07	0.32	16.0	0.14	15.4	11.8–16.
Carp	7	0.06	0.28	36.1	0.31	17.5	11.0–31.
Lake chubsucker	94	0.80	3.71	110.4	0.94	12.4	11.8–12.
Black bullhead	4	0.03	0.16	13.2	0.11	16.5	15.0–17.
Yellow bullhead	39	0.33	1.54	66.9	0.57	14.4	10.2–16.
Channel catfish	38	0.32	1.50	66.2	0.57	15.9	7.5–22.
Blue catfish	8	0.07	0.32	12.9	0.11	16.2	12.6–18.
Flathead catfish	1	0.01	0.04	2.6	0.02	18.9	....
Freshwater drum	23	0.20	0.91	28.0	0.24	13.0	8.7–18.
Total Commercial	426	3.64	16.85	766.4	6.55	....	....
White bass	13	0.11	0.51	24.0	0.21	16.2	11.8–17.
Yellow bass	22	0.19	0.87	19.3	0.16	10.8	7.1–12.
Largemouth bass	39	0.33	1.54	71.6	0.61	14.7	10.2–18.
Warmouth	3	0.03	0.12	2.5	0.02	9.2	9.1– 9.
Redear sunfish	73	0.62	2.89	55.2	0.47	9.1	8.3– 9.
Bluegill	99	0.85	3.91	62.8	0.54	8.5	6.2– 9.
Black crappie	187	1.60	7.39	178.0	1.52	11.3	8.7–15.
White crappie	52	0.44	2.06	53.4	0.46	11.7	9.8–14.
Chain pickerel	4	0.03	0.16	11.2	0.09	21.7	20.9–22.
Total Sport	492	4.20	19.45	478.0	4.08	....	....
Longnose gar	7	0.06	0.28	42.1	0.36	36.9	33.1–43.
Shortnose gar	61	0.52	2.41	204.7	1.75	28.3	23.6–32.
Spotted gar	202	1.73	7.99	670.8	5.73	26.7	23.6–33.
Bowfin	1	0.01	0.04	6.0	0.05	25.2	....
Total Predatory	271	2.32	10.72	923.6	7.89	....	....
Gizzard shad	1,328	11.35	52.50	1,215.1	10.38	13.6	11.8–17.
River herring	5	0.04	0.20	4.8	0.04	12.3	9.1–15.
Mullet	7	0.06	0.28	18.0	0.15	17.1	16.1–18.
Total Forage	1,340	11.45	52.98	1,237.9	10.57	....	....
GRAND TOTAL	2,529	21.61	100.00	3,405.9	29.09	....	....

TABLE 25

Composition of Catch of Two Inch Mesh Trammel Net With #208 Bonded Nylon For Inner Wall In 129 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Paddlefish	1	0.01	0.05	11.5	0.09	43.3	....
Bigmouth buffalo	8	0.06	0.38	48.7	0.38	14.8	9.4–32.1
Smallmouth buffalo	15	0.12	0.70	23.8	0.18	12.6	9.8–18.1
Black buffalo	3	0.02	0.14	4.1	0.03	13.0	....
River carpsucker	175	1.36	8.22	256.5	1.99	13.4	10.2–21.3
Spotted sucker	10	0.08	0.47	27.0	0.21	16.5	12.6–20.5
Carp	3	0.02	0.14	15.7	0.12	18.8	13.8–26.8
Lake chubsucker	114	0.88	5.35	116.3	0.90	11.6	11.4–11.8
Black bullhead	9	0.07	0.42	18.0	0.14	14.8	13.4–16.5
Yellow bullhead	16	0.12	0.75	29.3	0.23	14.1	12.2–16.1
Channel catfish	55	0.43	2.58	134.3	1.04	16.8	9.1–20.5
Blue catfish	3	0.02	0.14	4.9	0.04	16.3	16.1–16.5
Flathead catfish	3	0.02	0.14	6.2	0.05	17.1	15.8–19.3
Freshwater drum	37	0.29	1.74	43.8	0.34	12.8	7.1–18.1
Total Commercial	452	3.50	21.22	740.1	5.74	....	....
White bass	22	0.17	1.03	33.1	0.26	14.2	12.2–15.8
Yellow bass	42	0.33	1.97	38.5	0.30	11.1	10.2–12.6
Largemouth bass	40	0.31	1.83	80.7	0.62	14.3	8.7–20.5
Warmouth	5	0.04	0.23	3.9	0.03	9.1	8.3– 9.4
Redear sunfish	56	0.43	2.63	43.8	0.34	10.0	7.9–11.0
Bluegill	62	0.48	2.91	36.7	0.28	8.7	7.5– 9.4
Black crappie	122	0.95	5.73	122.3	0.95	11.5	10.2–15.8
White crappie	73	0.56	3.43	72.1	0.56	11.8	9.1–14.2
Chain pickerel	1	0.01	0.05	1.2	0.01	15.8	....
Total Sport	423	3.28	19.86	432.3	3.35	....	....
Alligator gar	2	0.02	0.09	11.5	0.09	28.7	23.6–33.9
Longnose gar	27	0.21	1.27	231.3	1.79	39.2	31.5–63.0
Shortnose gar	71	0.55	3.33	260.9	2.02	29.5	25.2–33.5
Spotted gar	204	1.58	9.58	730.6	5.66	27.7	21.7–32.7
Bowfin	10	0.08	0.47	52.1	0.40	23.1	19.7–28.2
Total Predatory	314	2.44	14.74	1,286.4	9.96	....	....
Gizzard shad	925	7.17	43.43	865.2	6.71	13.4	9.8–16.5
River herring	1	0.01	0.05	1.4	0.01	13.8	....
Mullet	15	0.12	0.70	54.8	0.42	19.4	18.9–22.0
Total Forage	941	7.30	44.18	921.4	7.14	....	....
GRAND TOTAL	2,130	16.52	100.00	3,380.2	26.19	....	....

TABLE 26

Composition of Catch of Two Inch Mesh Trammel Net With #277 Bonded Nylon For Inner Wall In 132 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Bigmouth buffalo	3	0.02	0.14	24.9	0.19	23.4	22.0–26.0
Smallmouth buffalo	11	0.08	0.51	49.6	0.38	17.2	11.0–26.8
Black buffalo	15	0.11	0.69	40.1	0.30	15.0	12.2–27.2
River carpsucker	151	1.14	6.98	303.4	2.30	14.8	12.6–19.6
Spotted sucker	11	0.08	0.51	29.6	0.22	17.3	14.6–20.5
Carp	34	0.26	1.57	217.4	1.65	20.8	11.4–29.9
Lake chubsucker	133	1.01	6.16	137.2	1.04	11.6	11.0–13.0
Black bullhead	28	0.21	1.30	81.2	0.62	16.8	16.1–17.7
Yellow bullhead	17	0.13	0.78	42.5	0.32	14.4	10.6–16.1
Channel catfish	91	0.69	4.20	117.6	0.89	14.6	9.4–25.9
Blue catfish	5	0.04	0.23	11.5	0.09	18.4	16.9–21.3
Flathead catfish	21	0.16	0.97	82.9	0.63	20.2	15.7–30.7
Freshwater drum	36	0.27	1.66	69.9	0.53	14.6	8.6–21.3
Total Commercial	556	4.20	25.70	1,207.8	9.16	....	....
White bass	8	0.06	0.38	11.0	0.08	14.4	13.4–15.4
Yellow bass	240	1.82	11.10	223.0	1.69	11.3	10.2–12.6
Spotted bass	2	0.01	0.09	2.9	0.02	14.0	13.8–14.2
Largemouth bass	61	0.46	2.83	154.6	1.17	16.4	11.8–20.5
Warmouth	1	0.01	0.05	1.2	0.01	9.5	....
Redear sunfish	54	0.41	2.49	38.9	0.29	9.7	7.9–11.0
Bluegill	72	0.55	3.33	44.2	0.33	8.2	5.9– 9.4
Black crappie	110	0.83	5.10	115.2	0.87	11.6	9.8–13.4
White crappie	47	0.36	2.18	59.9	0.45	12.7	9.8–15.4
Chain pickerel	13	0.10	0.60	33.5	0.25	22.0	20.1–24.4
Total Sport	608	4.61	28.15	684.4	5.16	....	....
Alligator gar	6	0.05	0.28	60.5	0.46	36.4	28.3–45.3
Longnose gar	68	0.52	3.14	425.2	3.22	38.2	29.5–55.1
Shortnose gar	49	0.37	2.26	191.1	1.46	30.1	23 6–41.3
Spotted gar	79	0.06	3.65	336.1	2.55	29.5	23.6–31.9
Bowfin	10	0.08	0.46	62.0	0.47	24.4	18.1–31.1
Total Predatory	212	1.62	9.79	1,074.9	8.16	....	....
Gizzard shad	783	5.93	36.22	849.3	6.44	14.2	7.5–16.5
River herring	3	0.02	0.14	5.8	0.04	15.8	14.9–16.5
Total Forage	786	5.95	36.36	855.1	6.48	....	....
GRAND TOTAL	2,162	16.38	100.00	3,822.2	28.96	....	....

TABLE 27

Composition of Catch of Two and One-half Inch Mesh Trammel Net With #139 Bonded Nylon For Inner Wall In 99 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Bigmouth buffalo	15	0.15	1.67	72.5	0.73	17.7	11.8–32.3
Smallmouth buffalo	8	0.08	0.89	22.9	0.23	15.6	13.4–17.7
Black buffalo	7	0.07	0.78	95.8	0.97	22.4	13.0–39.4
River carpsucker	81	0.82	9.04	138.3	1.40	13.4	11.8–18.5
Spotted sucker	26	0.26	2.90	82.0	0.83	16.0	11.8–18.9
Carp	171	1.73	19.08	384.5	3.88	15.4	14.2–26.8
Lake chubsucker	4	0.04	0.45	10.3	0.10	10.4	12.6–16.5
Yellow bullhead	3	0.03	0.33	6.5	0.07	15.0	14.2–15.8
Black bullhead	34	0.34	3.79	90.6	0.92	15.9	13.8–16.9
Channel catfish	41	0.41	4.58	60.2	0.61	14.6	11.0–21.3
Blue catfish	1	0.01	0.11	2.5	0.03	17.7	....
Flathead catfish	6	0.06	0.67	25.3	0.25	20.5	17.7–24.4
Freshwater drum	36	0.36	4.02	69.8	0.71	14.7	11.8–18.5
Total Commercial	433	4.36	48.31	1,061.2	10.73	....	....
White bass	11	0.11	1.23	16.5	0.17	12.9	11.8–13.8
Yellow bass	17	0.17	1.90	20.0	0.20	11.3	7.9–12.6
Largemouth bass	37	0.37	4.13	106.5	1.08	16.2	11.8–24.8
Black crappie	155	1.57	17.31	238.8	2.41	12.9	7.1–15.8
White crappie	38	0.38	4.24	60.0	0.61	13.0	11.8–15.4
Chain pickerel	2	0.02	0.22	5.5	0.06	20.7	19.7–21.7
Total Sport	260	2.62	29.03	447.3	4.53	....	....
Alligator gar	1	0.01	0.11	3.3	0.03	29.5	....
Longnose gar	8	0.08	0.89	89.0	0.90	43.0	39.7–47.3
Shortnose gar	4	0.04	0.45	25.1	0.25	31.9	27.6–35.4
Spotted gar	42	0.42	4.69	224.6	2.27	30.7	23.2–35.4
Bowfin	10	0.10	1.12	70.6	0.71	23.6	15.8–30.3
Total Predatory	65	0.65	7.26	412.6	4.16	....	....
Gizzard shad	135	1.36	15.07	161.4	1.63	14.6	11.8–16.1
Mullet	3	0.03	0.33	13.0	0.13	20.1	....
Total Forage	138	1.39	15.40	174.4	1.76	....	....
GRAND TOTAL	896	9.02	100.00	2,095.5	21.18	....	....

TABLE 28

Composition of Catch of Two and One-half Inch Mesh Trammel Net With #208 Bonded Nylon For Inner Wall In 96 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Bigmouth buffalo	6	0.06	1.00	70.0	0.73	22.1	13.8–33.
Smallmouth buffalo	6	0.06	1.00	25.3	0.26	18.0	15.0–22.
Black buffalo	2	0.22	0.33	16.5	0.17	18.5	15.8–22.
River carpsucker	56	0.58	9.32	106.1	1.11	14.1	11.8–16.
Spotted sucker	15	0.16	2.50	49.2	0.51	16.7	13.8–18.
Carp	77	0.80	12.80	163.8	1.71	15.3	14.2–23.
Lake chubsucker	1	0.01	0.17	1.2	0.01	11.8	....
Yellow bullhead	2	0.02	0.33	5.2	0.05	15.4	....
Black bullhead	13	0.13	2.16	38.7	0.40	16.6	15.8–17.
Channel catfish	48	0.50	7.99	57.0	0.59	13.8	7.9–24.
Flathead catfish	6	0.06	1.00	38.0	0.39	24.3	18.9–32.
Freshwater drum	72	0.75	11.98	155.5	1.62	15.0	11.8–17.
Total Commercial	304	3.15	50.58	726.5	7.55	....	....
White bass	37	0.39	6.16	78.8	0.82	15.6	13.0–15.
Yellow bass	18	0.19	3.00	17.9	0.19	11.3	9.1–12.
Largemouth bass	24	0.25	3.99	67.7	0.71	15.9	10.2–21.
Bluegill	1	0.01	0.17	0.3	T	7.1	....
Black crappie	96	1.00	15.97	167.0	1.74	13.3	11.4–17.
White crappie	20	0.21	3.33	30.1	0.31	13.0	12.2–14.
Chain pickerel	3	0.03	0.50	6.6	0.07	19.7	....
Total Sport	199	2.08	33.12	368.4	3.84	....	....
Alligator gar	1	0.01	0.17	4.6	0.05	26.8	....
Longnose gar	7	0.07	1.16	59.7	0.62	40.4	35.4–43.
Shortnose gar	6	0.06	1.00	38.6	0.40	34.2	32.7–35.
Spotted gar	14	0.15	2.32	91.4	0.95	31.4	19.7–38.
Bowfin	3	0.03	0.50	17.7	0.18	25.6	22.4–28.
Total Predatory	31	0.32	5.15	212.0	2.20	....	....
Gizzard shad	67	0.70	11.15	104.3	1.09	14.8	11.0–16.
Total Forage	67	0.70	11.15	104.3	1.09	....	....
GRAND TOTAL	601	6.25	100.00	1,411.2	14.68	....	....

TABLE 29

Composition of Catch of Two and One-half Inch Mesh Trammel Net With #277 Bonded Nylon For Inner Wall in 49 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
mallmouth buffalo	1	0.02	0.50	5.1	0.10	20.1	....
lack buffalo	1	0.02	0.50	2.0	0.04	13.4	....
iver carpsucker	23	0.47	11.56	52.9	1.08	15.2	11.0–17.7
potted sucker	21	0.43	10.55	60.3	1.23	16.2	13.8–19.7
arp	5	0.10	2.51	21.0	0.43	20.3	15.8–22.0
hannel catfish	2	0.04	1.01	5.0	0.10	17.7	16.1–19.3
lue catfish	1	0.02	0.50	3.5	0.08	20.1	....
lathead catfish	6	0.12	3.01	27.2	0.56	22.3	20.1–26.0
rum	6	0.12	3.01	14.4	0.29	15.8	11.8–18.5
Total Commercial	66	1.34	33.15	191.4	3.91	....	....
hite bass	7	0.14	3.52	16.1	0.33	15.6	14.6–16.9
ellow bass	11	0.22	5.53	16.0	0.33	11.8	....
argemouth bass	9	0.18	4.52	31.6	0.64	17.4	16.5–18.9
lack crappie	45	0.92	22.61	67.6	1.38	13.3	11.4–15.4
hite crappie	12	0.24	6.03	19.3	0.39	13.8	12.6–15.0
Total Sport	84	1.70	42.21	150.6	3.07	....	....
ongnose gar	4	0.08	2.02	65.6	1.34	51.4	37.8–59.5
potted gar	12	0.24	6.03	73.1	1.49	31.2	20.5–35.4
owfin	1	0.02	0.50	4.5	0.09	22.4	....
Total Predatory	17	0.34	8.55	143.2	2.92	....	....
izzard shad	32	0.65	16.09	45.7	0.93	14.8	9.4–16.5
Total Forage	32	0.65	16.09	45.7	0.93	....	....
GRAND TOTAL	199	4.03	100.00	530.9	10.83	....	....

TABLE 30

Composition of Catch of Three Inch Mesh Trammel Net With #277 Bonded Nylon For Inner Wall In 101 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range I Length
Bigmouth buffalo	2	0.02	6.25	12.2	0.12	21.6	20.5–22.
Smallmouth buffalo	3	0.03	9.37	10.5	0.10	16.3	15.8–16.
Black buffalo	8	0.08	24.99	64.0	0.63	22.2	19.7–24.
River carpsucker	2	0.02	6.25	6.8	0.07	17.1	16.5–17.
Spotted sucker	1	0.01	3.13	5.7	0.06	20.5	....
Carp	3	0.03	9.37	13.2	0.13	19.6	16.1–22.
Channel catfish	1	0.01	3.13	1.1	0.01	15.8	....
Flathead catfish	1	0.01	3.13	8.5	0.08	24.8	....
Total Commercial	21	0.21	65.62	122.0	1.20	....	....
White bass	1	0.01	3.13	0.5	0.01	9.4	....
Largemouth bass	3	0.03	9.37	15.1	0.15	19.5	18.3–21.
Chain pickerel	1	0.01	3.13	2.2	0.02	20.5	....
Total Sport	5	0.05	15.63	17.8	0.18	....	....
Longnose gar	3	0.03	9.37	28.5	0.28	44.0	43.3–47.
Spotted gar	2	0.02	6.25	17.5	0.17	35.2	34.6–35.
Bowfin	1	0.01	3.13	10.5	0.10	29.5	....
Total Predatory	6	0.06	18.75	56.5	0.55	....	....
GRAND TOTAL	32	0.32	100.00	196.3	1.93	....	....

TABLE 31

Composition of Catch of Three and One-half Inch Mesh Trammel Net With #139 Bonded Nylon For Inner Wall In 98 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Bigmouth buffalo	25	0.26	41.67	314.1	3.21	25.2	21.7–35.4
Smallmouth buffalo	5	0.05	8.32	48.9	0.50	22.4	19.7–26.8
Black buffalo	7	0.07	11.67	80.9	0.83	24.8	19.7–33.5
Channel catfish	4	0.04	6.67	2.5	0.03	12.3	10.2–14.2
Flathead catfish	4	0.04	6.67	37.7	0.38	26.1	24.0–28.7
Freshwater drum	10	0.10	16.67	36.5	0.37	17.5	11.8–22.8
Total Commercial	55	0.56	91.67	520.6	5.32	....	....
Largemouth bass	3	0.03	5.00	14.7	0.16	19.8	15.0–21.7
Total Sports	3	0.03	5.00	14.7	0.16	....	....
Spotted gar	2	0.02	3.33	4.8	0.05	23.4	19.7–27.2
Total Predatory	2	0.02	3.33	4.8	0.05	....	....
GRAND TOTAL	60	0.61	100.00	540.1	5.53	....	....

TABLE 32

Composition of Catch of Three and One-half Inch Mesh Trammel Net With #208 Bonded Nylon For Inner Wall In 98 Net Days

Kind of Fish	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Bigmouth buffalo	1	0.01	10.00	8.2	0.08	24.0	....
Smallmouth buffalo	2	0.02	20.00	11.8	0.12	22.6	22.0–23.
Flathead catfish	2	0.02	20.00	20.5	0.21	29.9	23.6–36.
Freshwater drum	1	0.01	10.00	1.0	0.01	9.8	....
Total Commercial	6	0.06	60.00	41.5	0.42	....	....
Longnose gar	2	0.02	20.00	50.0	0.51	51.2	47.3–55.
Bowfin	1	0.01	10.00	11.0	0.11	27.6	....
Total Predatory	3	0.03	30.00	61.0	0.62	....	....
Gizzard shad	1	0.01	10.00	1.9	0.02	15.8	....
Total Forage	1	0.01	10.00	1.9	0.02	....	....
GRAND TOTAL	10	0.10	100.00	104.4	1.06	....	....

TABLE 33

omposition of Catch of Three and One-half Inch Mesh Trammel Net With #277 Bonded Nylon For Inner Wall In 97 Net Days

Kind of Fish	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
addlefish	1	0.01	3.85	8.3	0.08	38.2	....
igmouth buffalo	2	0.02	7.69	43.0	0.44	27.9	23.2–32.7
mallmouth buffalo	4	0.04	15.38	20.6	0.20	20.2	18.9–23.6
lack buffalo	3	0.03	11.54	40.8	0.41	25.7	21.7–3.15
iver carpsucker	1	0.01	3.85	5.0	0.05	17.7	....
arp	1	0.01	3.85	12.6	0.13	26.4	....
lathead catfish	4	0.04	15.38	35.0	0.36	27.2	25.6–28.3
reshwater drum	1	0.01	3.85	0.9	0.09	11.8	....
Total Commercial	17	0.17	65.39	166.2	1.76	....	....
ellow bass	4	0.04	15.38	2.7	0.03	10.3	10.2–10.6
argemouth bass	2	0.02	7.69	13.8	0.14	20.1	19.7–20.5
Total Sport	6	0.06	23.07	16.5	0.17	....	....
ongnose gar	2	0.02	7.69	24.7	0.25	41.8	36.2–47.3
potted gar	1	0.01	3.85	3.5	0.04	27.6	....
Total Predatory	3	0.03	11.54	28.2	0.29	....	....
GRAND TOTAL	26	0.26	100.00	210.9	2.22	....	....

TABLE 34

Composition of Catch of Four Inch Mesh Trammel Net With #208 Bonded Nylon For Inner Wall In 95 Net Days

Kind of Fish	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range I Length
Smallmouth buffalo	1	0.01	16.67	8.5	0.09	22.0	....
Black buffalo	1	0.01	16.67	19.0	0.20	30.3	....
Carp	2	0.02	33.32	21.2	0.22	28.3	27.6–29
Channel catfish	1	0.01	16.67	2.0	0.02	18.1	....
Total Commercial	5	0.05	83.33	50.7	0.53	....	....
Spotted gar	1	0.01	16.67	5.5	0.06	33.5	....
Total Predatory	1	0.01	16.67	5.5	0.06	....	....
GRAND TOTAL	6	0.06	100.00	56.2	0.59	....	....

TABLE 35

Composition of Catch of Four Inch Mesh Trammel Net With #277 Bonded Nylon For Inner Wall In 94 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Bigmouth buffalo	19	0.20	45.25	227.4	2.42	25.3	22.0–31.5
Smallmouth buffalo	7	0.07	16.67	88.1	0.94	25.6	22.8–31.1
Black buffalo	2	0.02	4.76	70.5	0.75	30.9	21.7–40.2
Channel catfish	5	0.05	11.90	9.3	0.10	15.6	8.7–20.5
Flathead catfish	4	0.04	9.52	64.5	0.69	30.3	24.4–39.7
Freshwater drum	2	0.02	4.76	3.6	0.04	16.7	15.8–17.7
Total Commercial	39	0.40	92.86	463.4	4.94	....	....
Largemouth bass	2	0.02	4.76	12.2	0.13	20.4	16.1–24.8
Chain pickerel	1	0.01	2.38	1.1	0.01	16.1	....
Total Sport	3	0.03	7.14	13.3	0.14	....	....
GRAND TOTAL	42	0.43	100.00	476.7	5.08	....	....

TABLE 36

Composition of Catch of Four Inch Mesh Trammel Net With #346 Bonded Nyon For Inner Wall In 95 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Bigmouth buffalo	1	0.01	20.00	11.5	0.12	24.8	....
Flathead catfish	1	0.01	20.00	26.0	0.27	47.3	....
Freshwater drum	2	0.02	40.00	2.1	0.02	10.2	....
Total Commercial	4	0.04	80.00	39.6	0.41	....	....
Longnose gar	1	0.01	20.00	6.1	0.06	37.8	....
Total Predatory	1	0.01	20.00	6.1	0.06	....	....
GRAND TOTAL	5	0.05	100.00	45.7	0.47	....	....

TABLE 37

Composition of Catch of One Inch Mesh Gill Nets Made With #20/6 Cotton In 100 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Lake chubsucker	20	0.20	9.71	12.6	0.13	9.9	9.4–10.6
Spotted sucker	3	0.03	1.46	4.7	0.05	13.4	8.7–17.7
Yellow bullhead	1	0.01	0.48	0.3	T	6.7	....
Channel catfish	6	0.06	2.91	3.3	0.03	10.2	7.9–14.2
Total Commercial	30	0.30	14.56	20.9	0.21	....	....
White bass	1	0.01	0.48	0.5	0.01	8.3	....
Yellow bass	49	0.49	23.83	9.4	0.09	7.1	5.9– 9.1
Kentucky bass	1	0.01	0.48	0.6	0.01	11.4	....
Largemouth bass	4	0.04	1.94	2.6	0.03	9.8	6.7–13.8
Warmouth	5	0.05	2.43	1.1	0.01	5.3	4.7– 7.5
Redear sunfish	13	0.13	6.31	1.9	0.02	5.1	4.7– 6.7
Longear sunfish	2	0.02	0.97	0.2	T	4.5	4.3– 4.7
Orangespotted sunfish	1	0.01	0.48	0.1	T	4.3	....
Bluegill	25	0.25	12.13	3.1	0.03	4.7	3.9– 7.1
Black crappie	17	0.17	8.25	6.5	0.07	6.9	4.7–12.6
White crappie	1	0.01	0.48	0.1	T	5.1	....
Chain pickerel	2	0.02	0.97	1.0	0.01	13.0	....
Total Sport	121	1.21	58.75	27.1	0.28	....	....
Longnose gar	1	0.01	0.48	1.3	0.01	24.0	....
Spotted gar	8	0.08	3.88	18.4	0.18	24.9	15.8–35.4
Total Predatory	9	0.09	4.36	19.7	0.19	....	....
Gizzard shad	34	0.34	16.50	4.8	0.05	7.2	5.5–10.2
Threadfin shad	3	0.03	1.46	0.4	T	7.1	....
River herring	6	0.06	2.91	0.7	0.01	5.3	5.1– 5.5
Golden shiner	3	0.03	1.46	0.7	0.01	7.1	....
Total Forage	46	0.46	22.33	6.6	0.07	....	....
GRAND TOTAL	206	2.06	100.00	74.3	0.75	....	....

TABLE 38

Composition of Catch of One Inch Mesh Gill Nets Made With #20/9 Cotton In 100 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range I Length
Smallmouth buffalo	1	0.01	1.56	6.5	0.07	21.3	....
Spotted sucker	2	0.02	3.13	1.2	0.01	10.2	7.1–13.
Lake chubsucker	9	0.09	14.06	7.4	0.07	10.7	10.6–11.
Channel catfish	3	0.03	4.69	2.6	0.03	11.2	7.9–16.
Total Commercial	15	0.15	23.44	17.7	0.18	....	....
Yellow bass	14	0.14	21.87	4.1	0.04	7.3	5.5–10.
Largemouth bass	1	0.01	1.56	0.5	0.01	9.4	....
Warmouth	3	0.03	4.69	0.6	0.01	6.7	....
Redear sunfish	4	0.04	6.25	0.3	T	4.7	....
Longear sunfish	2	0.02	3.13	0.3	T	4.7	4.3– 5.
Orangespotted sunfish	1	0.01	1.56	0.1	T	3.9	....
Bluegill	10	0.10	15.61	1.1	0.01	4.5	4.3– 5.
Black crappie	3	0.03	4.69	0.3	T	4.9	4.7– 5.
Chain pickerel	2	0.02	3.13	1.9	0.02	15.4	14.2–16.
Total Sport	40	0.40	62.49	9.2	0.09	....	....
Spotted gar	2	0.02	3.13	9.2	0.09	30.5	27.6–33.
Total Predatory	2	0.02	3.13	9.2	0.09	....	....
Gizzard shad	4	0.04	6.25	1.0	0.01	8.0	6.3–12.
Threadfin shad	1	0.01	1.56	0.2	T	7.5	....
River herring	2	0.02	3.13	0.7	0.01	8.7	6.7–10.
Total Forage	7	0.07	10.94	1.9	0.01	....	....
GRAND TOTAL	64	0.64	100.00	38.0	0.38	....	....

TABLE 39

Composition of Catch of One Inch Mesh Gill Nets Made With #20/12 Cotton In 100 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
River carpsucker	1	0.01	7.14	0.1	T	5.9	....
Total Commercial	1	0.01	7.14	0.1	T	....	....
Yellow bass	1	0.01	7.14	0.3	T	7.1	....
Largemouth bass	1	0.01	7.14	1.1	0.01	11.8	....
Warmouth	1	0.01	7.14	0.6	0.01	8.9	....
Redear sunfish	2	0.02	14.29	0.4	T	5.5	4.7- 6.3
Longear sunfish	1	0.01	7.14	0.1	T	4.3	....
Orangespotted sunfish	2	0.02	14.29	0.2	T	4.1	3.5- 4.7
Bluegill	1	0.01	7.14	0.1	T	4.3	....
Black crappie	1	0.01	7.14	0.1	T	6.1	....
Total Sport	10	0.10	71.42	2.9	0.02	....	....
Spotted gar	1	0.01	7.14	0.5	0.01	15.8	....
Total Predatory	1	0.01	7.14	0.5	0.01	....	....
Gizzard shad	2	0.02	14.29	0.2	T	6.5	6.3- 6.7
Total Forage	2	0.02	14.29	0.2	T	....	....
GRAND TOTAL	14	0.14	99.99	3.7	0.03	....	....

TABLE 40

Composition of Catch of One and One-half Inch Mesh Gill Nets Made With #20/6 Cotton In 100 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range I Length
Bigmouth buffalo	1	0.01	0.18	0.4	T	9.8	....
Smallmouth buffalo	3	0.03	0.53	1.7	0.02	9.2	8.7- 9.
River carpsucker	13	0.13	2.28	14.8	0.15	11.9	7.9-13.
Spotted sucker	43	0.43	7.56	72.4	0.72	13.9	10.2-18.
Lake chubsucker	122	1.22	21.44	92.9	0.93	10.9	9.8-17.
Black bullhead	2	0.02	0.35	2.8	0.03	12.8	12.6-13.
Yellow bullhead	3	0.03	0.53	4.7	0.05	12.7	10.2-16.
Channel catfish	32	0.32	5.62	27.2	0.27	13.6	11.4-15.
Blue catfish	1	0.01	0.18	1.3	0.01	14.2	....
Flathead catfish	1	0.01	0.18	0.7	0.01	11.0	....
Freshwater drum	1	0.02	0.35	0.7	0.01	9.2	8.7- 9.
Total Commercial	223	2.23	39.20	219.6	2.20	....	....
White bass	18	0.18	3.16	10.4	0.10	10.0	9.1-10.
Yellow bass	85	0.85	14.95	44.9	0.45	9.6	7.1-11.
Spotted bass	2	0.02	0.35	2.1	0.02	11.8	9.4-14.
Largemouth bass	6	0.06	1.05	12.4	0.12	13.5	7.5-21.
Redear sunfish	57	0.51	8.96	17.3	0.17	7.1	6.3- 8.
Warmouth	11	0.11	1.93	5.3	0.05	7.3	7.1- 7.
Bluegill	23	0.23	4.04	8.6	0.09	6.6	5.9- 7.
Black crappie	16	0.16	2.81	9.7	0.10	8.9	3.9-13.
White crappie	3	0.03	0.53	2.8	0.03	10.3	7.9-12.
Chain pickerel	13	0.13	2.28	18.8	0.19	18.0	16.9-20.
Total Sport	228	2.28	40.06	132.3	1.32	....	....
Longnose gar	3	0.03	0.53	34.1	0.34	41.1	27.2-59.
Shortnose gar	13	0.13	2.28	21.0	0.21	21.7	19.7-29.
Spotted gar	19	0.19	3.34	34.8	0.35	23.7	19.7-29.
Total Predatory	35	0.35	6.15	89.9	0.90	....	....
Gizzard shad	83	0.83	14.59	45.1	0.45	10.6	8.7-16.
Total Forage	83	0.83	14.59	45.1	0.45	....	....
GRAND TOTAL	569	5.69	100.00	486.9	4.87	....	....

TABLE 41

Composition of Catch of One and One-half Inch Mesh Gill Nets Made With #20/9 Cotton In 100 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Smallmouth buffalo	2	0.02	0.60	2.1	0.02	9.4	....
Carpsucker	4	0.04	1.21	2.5	0.03	9.8	9.4–10.2
Spotted sucker	13	0.13	3.93	26.9	0.27	14.9	12.2–19.3
Lake chubsucker	97	0.97	29.31	68.3	0.68	10.8	9.8–11.4
Yellow bullhead	3	0.03	0.91	4.1	0.04	13.0	11.8–14.6
Channel catfish	6	0.06	1.81	5.7	0.06	13.2	11.8–15.0
Flathead catfish	1	0.01	0.30	1.1	0.01	13.8	....
Freshwater drum	2	0.02	0.60	2.6	0.03	13.7	10.2–17.3
Total Commercial	128	1.28	38.67	113.3	1.14	....	....
White bass	5	0.05	1.51	2.7	0.03	9.2	8.3–10.2
Yellow bass	63	0.63	19.03	33.7	0.34	9.6	7.9–11.0
Largemouth bass	7	0.07	2.11	13.7	0.14	14.0	11.0–18.9
Warmouth	1	0.01	0.30	0.4	T	8.3	....
Redear sunfish	21	0.21	6.35	6.7	0.07	6.9	6.3– 7.9
Longear sunfish	1	0.01	0.30	0.1	T	4.3	....
Bluegill	2	0.02	0.60	0.6	0.01	6.7	6.3– 7.1
Black crappie	11	0.11	3.33	5.1	0.05	8.5	7.1–12.2
White crappie	1	0.01	0.30	0.4	T	8.7	....
Chain pickerel	9	0.09	2.73	12.8	0.13	17.4	13.4–18.5
Total Sport	121	1.21	36.56	76.2	0.77	....	....
Alligator gar	1	0.01	0.30	3.1	0.03	24.4	....
Longnose gar	5	0.05	1.51	21.5	0.21	34.9	27.6–47.2
Shortnose gar	1	0.01	0.30	1.6	0.02	20.9	....
Spotted gar	12	0.12	3.63	21.1	0.21	22.6	19.7–30.3
Total Predatory	19	0.19	5.74	47.3	0.47	....	....
Gizzard shad	63	0.63	19.03	32.4	0.32	10.9	8.7–14.6
Total Forage	63	0.63	19.03	32.4	0.32	....	....
GRAND TOTAL	331	3.31	100.00	269.2	2.70	....	....

TABLE 42

Composition of Catch of One and One-half Inch Mesh Gill Nets Made With #20/12 Cotton In 100 Net Days

Kind of Fish	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Spotted sucker	10	0.10	3.48	15.0	0.15	12.8	11.0–18.1
Carp	1	0.01	0.35	0.6	0.01	9.4	....
Lake chubsucker	171	1.71	59.58	123.4	1.23	9.2	6.7–14.2
Yellow bullhead	1	0.01	0.35	1.0	0.01	12.2	....
Channel catfish	3	0.03	1.05	3.1	0.03	13.1	11.0–15.8
Freshwater drum	1	0.01	0.35	0.7	0.01	9.1	....
Total Commercial	187	1.87	65.16	143.8	1.44	....	....
White bass	2	0.02	0.70	1.1	0.01	8.9	7.9– 9.8
Yellow bass	45	0.45	15.67	20.6	0.21	8.8	7.1–11.8
Spotted bass	1	0.01	0.35	1.0	0.01	11.0	....
Largemouth bass	6	0.06	2.09	6.1	0.06	12.1	11.4–13.4
Warmouth	3	0.03	1.05	1.2	0.01	7.2	6.7– 7.9
Redear sunfish	19	0.19	6.62	6.2	0.06	7.1	6.7– 8.7
Bluegill	3	0.03	1.05	0.8	0.01	6.1	5.9– 6.3
Black crappie	2	0.02	0.70	2.0	0.02	10.8	8.3–13.4
Chain pickerel	4	0.04	1.39	5.1	0.05	17.4	15.0–19.3
Total Sport	85	0.85	29.62	44.1	0.44	....	....
Shortnose gar	1	0.01	0.35	1.5	0.02	21.3	....
Spotted gar	5	0.05	1.74	14.4	0.14	27.0	19.7–33.1
Total Predatory	6	0.06	2.09	15.9	0.16	....	....
Gizzard shad	9	0.09	3.13	5.9	0.06	11.5	8.7–13.0
Total Forage	9	0.09	3.13	5.9	0.06	....	....
Grand Total	287	2.87	100.00	209.7	2.10	....	....

TABLE 43

Composition of Catch of Two Inch Mesh Gill Nets Made With #20/6 Cotton In 100 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Smallmouth buffalo	12	0.12	4.96	9.6	0.10	10.9	9.1–13.4
River carpsucker	13	0.13	5.37	21.4	0.21	13.4	11.8–15.8
Spotted sucker	24	0.24	9.92	54.4	0.54	16.4	13.8–19.3
Lake chubsucker	18	0.18	7.44	21.8	0.22	12.2	10.2–13.8
Channel catfish	5	0.05	2.07	6.2	0.06	14.9	11.4–16.9
Blue catfish	1	0.01	0.41	1.7	0.02	17.3	....
Flathead catfish	1	0.01	0.41	1.8	0.02	15.4	....
Freshwater drum	3	0.03	1.24	3.2	0.03	11.8	11.0–13.0
Total Commercial	77	0.77	31.82	120.1	1.20	....	....
White bass	1	0.01	0.41	0.9	0.01	12.2	....
Yellow bass	22	0.22	9.09	19.9	0.20	10.8	9.8–12.6
Largemouth bass	4	0.04	1.65	3.7	0.04	10.9	6.3–13.0
Redear sunfish	8	0.08	3.31	5.2	0.05	9.2	7.9– 9.8
Bluegill	17	0.17	7.03	8.8	0.09	8.1	7.5– 8.7
Black crappie	22	0.22	9.09	20.1	0.20	10.6	9.4–14.2
White crappie	1	0.01	0.41	1.2	0.01	13.4	....
Chain pickerel	2	0.02	0.83	4.4	0.04	22.0	....
Total Sport	77	0.77	31.82	64.2	0.64	....	....
Longnose gar	1	0.01	0.41	5.4	0.05	40.9	....
Shortnose gar	2	0.02	0.83	10.1	0.10	33.3	32.3–34.3
Spotted gar	9	0.09	3.72	32.0	0.32	28.0	23.6–31.5
Total Predatory	12	0.12	4.96	47.5	0.47	....	....
Gizzard shad	76	0.76	31.40	71.6	0.72	13.0	9.8–15.4
Total Forage	76	0.76	31.40	71.6	0.72	....	....
GRAND TOTAL	242	2.42	100.00	303.4	3.03	....	....

TABLE 44

Composition of Catch of Two Inch Mesh Gill Nets Made With #20/9 Cotton In 103 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Bigmouth buffalo	1	0.01	0.37	6.5	0.06	22.4	....
Smallmouth buffalo	1	0.01	0.37	0.5	T	9.8	....
River carpsucker	3	0.03	1.12	4.2	0.04	14.9	10.2-15.4
Spotted sucker	62	0.60	23.22	140.6	1.37	16.0	13.8-18.5
Carp	1	0.01	0.37	0.8	0.01	8.7	....
Lake chubsucker	9	0.09	3.38	10.4	0.10	12.1	11.0-16.5
Yellow bullhead	1	0.01	0.37	1.5	0.01	10.2	....
Channel catfish	5	0.05	1.88	10.4	0.10	15.9	11.8-23.6
Freshwater drum	4	0.04	1.50	2.6	0.03	11.2	10.2-11.8
Total Commercial	87	0.85	32.58	177.5	1.72	....	....
White bass	3	0.03	1.12	2.9	0.03	10.8	9.8-11.8
Yellow bass	70	0.68	26.22	50.8	0.49	10.0	6.3-12.6
Largemouth bass	20	0.19	7.49	24.3	0.24	11.4	5.1-19.7
Redear sunfish	4	0.04	1.50	2.3	0.02	8.4	8.3- 8.7
Bluegill	2	0.02	0.75	1.4	0.01	8.3	7.9- 8.7
Black crappie	8	0.08	3.00	8.6	0.08	11.1	8.7-13.0
Chain pickerel	1	0.01	0.37	2.0	0.02	19.7	....
Total Sport	108	1.05	40.45	92.3	0.89	....	....
Shortnose gar	6	0.06	2.25	15.3	0.15	24.5	19.7-26.8
Spotted gar	2	0.02	0.75	4.9	0.05	25.2	21.3-29.1
Total Predatory	8	0.08	3.00	20.2	0.20	....	....
Gizzard shad	64	0.62	23.97	39.7	0.39	11.4	8.7-15.0
Total Forage	64	0.62	23.97	39.7	0.39	....	....
GRAND TOTAL	267	2.60	100.00	329.7	3.20	....	....

TABLE 45

Composition of Catch of Two Inch Mesh Gill Nets Made With #20/12 Cotton In 100 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Spotted sucker	7	0.07	6.54	17.0	0.17	15.4	10.2–18.1
Lake chubsucker	5	0.05	4.67	6.0	0.06	11.8	11.4–12.2
Channel catfish	3	0.03	2.80	4.0	0.04	15.7	14.6–17.7
Flathead catfish	1	0.01	0.93	1.5	0.02	15.8	....
Freshwater drum	5	0.05	4.67	5.2	0.05	11.8	....
Total Commercial	21	0.21	19.61	33.7	0.34	....	....
White bass	1	0.01	0.93	0.9	0.01	9.8	....
Yellow bass	17	0.17	15.89	12.6	0.13	10.7	10.2–11.8
Largemouth bass	3	0.03	2.80	4.8	0.05	12.3	7.9–17.7
Warmouth	1	0.01	0.93	0.2	T	7.1	....
Redear sunfish	4	0.04	3.78	2.7	0.03	8.3	6.7– 9.4
Bluegill	6	0.06	5.61	4.3	0.04	8.1	7.5– 8.7
Black crappie	6	0.06	5.61	9.0	0.09	11.7	9.4–12.6
White crappie	1	0.01	0.93	0.9	0.01	11.0	....
Chain pickerel	2	0.02	1.87	5.4	0.05	20.5	....
Total Sport	41	0.41	38.35	40.8	0.41	....	....
Spotted gar	5	0.05	4.67	14.3	0.14	25.6	21.7–28.7
Bowfin	1	0.01	0.93	5.8	0.06	24.4	....
Total Predatory	6	0.06	5.60	20.1	0.20	....	....
Gizzard shad	39	0.39	36.44	34.0	0.34	15.5	11.0–16.1
Total Forage	39	0.39	36.44	34.0	0.34	....	....
GRAND TOTAL	107	1.07	100.00	128.6	1.29	....	....

TABLE 46

Composition of Catch of One Inch Mesh Gill Nets Made With #35/3 Linen In 103 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Bigmouth buffalo	1	0.01	0.14	0.1	T	6.1	....
Smallmouth buffalo	1	0.01	0.14	0.5	T	9.3	....
River carpsucker	4	0.04	0.56	7.3	0.07	13.7	11.4–15.0
Spotted sucker	3	0.03	0.42	5.0	0.05	13.0	8.3–16.5
Lake chubsucker	17	0.17	2.38	9.1	0.09	9.3	6.3–13.8
Yellow bullhead	10	0.10	1.40	7.2	0.07	9.7	7.1–13.8
Channel catfish	93	0.90	13.00	39.5	0.38	10.7	7.1–16.1
Blue catfish	17	0.16	2.38	9.6	0.09	11.4	7.5–12.2
Yellow catfish	1	0.01	0.14	1.4	0.01	15.4	....
Freshwater drum	1	0.01	0.14	0.1	T	6.0	....
Total Commercial	148	1.41	20.70	79.8	0.76	....	....
Yellow bass	157	1.52	21.96	37.5	0.36	7.8	5.9–11.0
Largemouth bass	7	0.07	0.98	7.4	0.07	10.8	7.5–17.3
Warmouth	21	0.20	2.94	5.0	0.05	5.8	4.3– 9.4
Redear sunfish	46	0.45	6.43	9.2	0.09	5.5	3.9– 9.4
Longear sunfish	33	0.32	4.61	3.8	0.04	4.8	4.3– 5.5
Orangespotted sunfish	12	0.12	1.68	1.0	0.01	4.3	....
Bluegill	73	0.71	10.21	10.3	0.10	5.0	3.9– 8.3
Black crappie	57	0.55	7.97	10.2	0.10	6.4	5.1–13.4
White crappie	5	0.05	0.70	1.1	0.01	6.6	5.5– 9.4
Chain pickerel	1	0.01	0.14	1.6	0.01	19.7	....
Total Sport	412	4.00	57.62	87.1	0.84	....	....
Longnose gar	16	0.16	2.24	115.4	1.12	39.9	22.0–46.5
Shortnose gar	2	0.02	0.28	7.6	0.07	29.5	27.6–31.5
Spotted gar	33	0.32	4.61	82.2	0.80	24.4	15.0–33.9
Total Predatory	51	0.50	7.13	205.2	1.99	....	....
Gizzard shad	90	0.87	12.59	22.0	0.21	8.0	6.7–15.0
Threadfin shad	5	0.05	0.70	0.8	0.01	7.1	....
Golden shiner	2	0.02	0.28	0.9	0.01	7.3	7.1– 7.5
River herring	7	0.07	0.98	0.9	0.01	7.1	....
Total Forage	104	1.01	14.55	24.6	0.25	....	....
GRAND TOTAL	715	6.92	100.00	396.7	3.84	....	....

TABLE 47

Composition of Catch of One Inch Mesh Gill Nets Made With #18/3 Linen In 99 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Spotted sucker	1	0.01	0.58	0.5	0.01	7.9	....
Lake chubsucker	12	0.12	6.98	6.2	0.06	9.1	5.9–10.6
Yellow bullhead	5	0.05	2.91	4.5	0.05	10.7	6.7–13.8
Channel catfish	10	0.10	5.81	2.6	0.03	8.4	6.4–11.0
Total Commercial	28	0.28	16.28	13.8	0.15	....	....
Yellow bass	23	0.23	13.37	10.4	0.10	8.6	5.5–11.4
Largemouth bass	2	0.02	1.16	2.3	0.02	12.0	7.5–16.5
Warmouth	5	0.05	2.91	1.4	0.01	5.7	5.1– 6.3
Redear sunfish	18	0.18	10.47	1.8	0.02	4.9	4.3– 5.1
Longear sunfish	1	0.01	0.58	0.1	T	4.3	....
Orangespotted sunfish	1	0.01	0.58	0.2	T	4.3	....
Bluegill	9	0.09	5.23	1.6	0.02	4.9	4.3– 6.3
Black crappie	24	0.24	13.95	3.8	0.04	6.1	5.1– 9.8
Chain pickerel	3	0.03	1.74	1.9	0.02	12.5	11.8–13.4
Total Sport	86	0.86	49.99	23.5	0.23	....	....
Longnose gar	4	0.04	2.33	5.2	0.05	21.6	18.1–23.6
Spotted gar	13	0.13	7.56	24.5	0.25	22.2	13.8–29.5
Total Predatory	17	0.17	9.89	29.7	0.30	....	....
Gizzard shad	20	0.20	11.63	3.8	0.04	6.9	5.5–13.0
Threadfin	18	0.18	10.47	2.3	0.02	7.2	7.1– 7.5
River herring	1	0.01	0.58	0.3	T	9.4	....
Golden shiner	2	0.02	1.16	0.3	T	7.1	....
Total Forage	41	0.41	23.84	6.7	0.06	....	....
GRAND TOTAL	172	1.72	100.00	73.7	0.74	....	....

TABLE 48

Composition of Catch of One and One-half Inch Mesh Gill Nets Made With #35/3 Linen In 103 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Bigmouth buffalo	3	0.03	0.37	1.4	0.01	8.5	8.3– 9.1
Smallmouth buffalo	6	0.06	0.75	4.4	0.04	10.1	8.7–11.0
River carpsucker	70	0.68	8.70	57.5	0.56	11.7	11.0–16.9
Spotted sucker	13	0.13	1.61	16.1	0.16	11.9	9.8–16.9
Carp	3	0.03	0.37	2.0	0.02	11.0	9.1–15.4
Lake chubsucker	60	0.58	7.46	44.0	0.43	10.5	9.4–12.2
Black bullhead	1	0.01	0.12	2.7	0.03	15.8	....
Yellow bullhead	17	0.16	2.11	19.3	0.19	11.9	9.8–15.8
Channel catfish	36	0.35	4.47	29.3	0.28	12.8	9.1–17.7
Blue catfish	7	0.07	0.87	5.8	0.06	12.7	10.2–15.0
Freshwater drum	5	0.05	0.62	7.2	0.07	11.3	9.1–20.9
Total Commercial	221	2.15	27.45	189.7	1.85	....	....
White bass	1	0.01	0.12	0.8	0.01	11.0	....
Yellow bass	33	0.32	4.10	23.8	0.23	10.0	8.7–12.2
Largemouth bass	7	0.07	0.87	9.5	0.09	11.0	9.8–17.3
Warmouth	16	0.15	1.99	6.8	0.07	7.3	5.9– 7.9
Redear sunfish	75	0.73	9.32	26.3	0.26	7.4	6.7– 8.7
Longear sunfish	1	0.01	0.12	0.2	T	6.3	....
Bluegill	71	0.69	8.82	25.0	0.24	6.7	5.5– 8.3
Black crappie	36	0.35	4.47	25.4	0.25	9.8	7.1–13.8
White crappie	7	0.07	0.87	4.2	0.04	9.6	6.7–10.6
Chain pickerel	2	0.02	0.25	4.2	0.04	13.8	....
Total Sport	249	2.42	30.93	126.2	1.23	....	....
Alligator gar	1	0.01	0.12	2.3	0.02	23.2	....
Longnose gar	5	0.05	0.62	28.0	0.27	33.5	....
Shortnose gar	22	0.21	2.73	39.6	0.38	22.1	20.1–28.7
Spotted gar	112	1.09	13.92	222.5	2.16	23.3	16.9–30.7
Bowfin	2	0.02	0.25	16.4	0.16	27.8	27.6–28.0
Total Predatory	142	1.38	17.64	308.8	2.99	....	....
Gizzard shad	193	1.87	23.98	105.5	1.02	10.7	6.3–15.4
Total Forage	193	1.87	23.98	105.5	1.02	....	....
GRAND TOTAL	805	7.82	100.00	730.2	7.09	....	....

TABLE 49

Composition of Catch of One and One-half Inch Mesh Gill Nets Made With #18/3 Linen In 105 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Bigmouth buffalo	3	0.03	0.47	1.6	0.02	9.0	8.7-9.1
Smallmouth buffalo	1	0.01	0.16	0.8	0.01	11.0	....
River carpsucker	5	0.05	0.78	2.8	0.03	9.1	....
Spotted sucker	17	0.16	2.64	13.3	0.13	10.9	9.8-13.0
Carp	1	0.01	0.16	5.0	0.05	20.9	....
Lake chubsucker	246	2.34	38.26	157.3	1.50	10.9	9.8-11.8
Black bullhead	1	0.01	0.16	0.7	0.01	10.2	....
Yellow bullhead	4	0.04	0.62	4.6	0.04	11.2	9.4-14.2
Channel catfish	24	0.23	3.72	23.2	0.22	12.9	8.3-21.3
Total Commercial	302	2.88	46.97	209.3	2.01	....	....
Yellow bass	55	0.52	8.55	36.0	0.34	9.7	8.7-11.0
Spotted bass	2	0.02	0.31	1.2	0.01	12.0	11.8-12.2
Largemouth bass	9	0.09	1.40	10.1	0.10	11.7	9.8-18.5
Warmouth	5	0.05	0.78	1.5	0.01	6.9	6.3-7.5
Redear sunfish	48	0.46	7.46	16.9	0.16	7.2	6.7-9.4
Longear sunfish	1	0.01	0.16	0.1	T	4.7	....
Bluegill	22	0.21	3.42	9.0	0.09	6.9	5.9-8.7
Black crappie	11	0.10	1.71	4.3	0.04	8.3	7.5-10.6
White crappie	1	0.01	0.16	0.3	T	9.0	....
Chain pickerel	20	0.19	3.11	25.3	0.24	18.2	17.3-22.0
Total Sport	174	1.66	27.06	104.7	0.99	....	....
Longnose gar	5	0.05	0.78	37.6	0.36	41.8	34.6-47.2
Shortnose gar	31	0.30	4.82	58.4	0.56	22.5	19.7-26.8
Spotted gar	57	0.54	8.86	108.4	1.03	23.1	18.9-32.7
Bowfin	1	0.01	0.16	4.3	0.04	22.0	....
Total Predatory	94	0.90	14.62	208.7	1.99	....	....
Gizzard shad	73	0.69	11.35	35.2	0.33	11.3	8.7-14.2
Total Forage	73	0.69	11.35	35.2	0.33	....	....
GRAND TOTAL	643	6.13	100.00	557.9	5.32	....	....

TABLE 50

Composition of Catch of Two Inch Mesh Gill Nets Made With #35/3 Linen In 100 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Smallmouth buffalo	1	0.01	0.16	2.0	0.02	15.0	....
Black buffalo	1	0.01	0.16	1.7	0.02	14.2	....
River carpsucker	50	0.50	7.84	81.2	0.81	14.2	10.6–16.9
Spotted sucker	3	0.03	0.47	6.9	0.07	16.7	16.1–16.9
Carp	2	0.02	0.31	5.6	0.06	16.0	13.0–18.9
Lake chubsucker	16	0.16	2.51	16.1	0.16	11.3	11.0–11.4
Black bullhead	2	0.02	0.31	2.4	0.02	12.6	11.8–13.4
Yellow bullhead	2	0.02	0.31	2.9	0.03	14.2	13.8–14.6
Channel catfish	21	0.21	3.29	45.9	0.46	16.0	11.4–22.4
Freshwater drum	9	0.09	1.41	9.9	0.10	12.8	11.4–15.8
Total Commercial	107	1.07	16.77	174.6	1.75	....	....
White bass	2	0.02	0.31	2.7	0.03	13.8	....
Yellow bass	41	0.41	6.43	36.4	0.36	11.2	10.2–12.2
Spotted bass	1	0.01	0.16	1.0	0.01	12.6	....
Largemouth	7	0.07	1.10	11.1	0.11	13.9	9.1–19.7
Warmouth	1	0.01	0.16	0.8	0.01	9.4	....
Redear sunfish	9	0.09	1.41	6.8	0.07	9.1	8.7– 9.4
Bluegill	22	0.22	3.45	13.4	0.13	8.2	7.5– 9.1
Black crappie	19	0.19	2.98	17.7	0.18	10.9	9.4–11.8
White crappie	11	0.11	1.72	12.7	0.13	11.7	10.2–14.2
Total Sport	113	1.13	17.72	102.6	1.03	....	....
Alligator gar	1	0.01	0.16	10.0	0.10	37.0	....
Longnose gar	7	0.07	1.10	42.6	0.43	39.3	30.7–49.2
Shortnose gar	12	0.12	1.88	40.2	0.40	27.9	24.8–32.3
Spotted gar	51	0.51	7.99	163.1	1.63	27.6	20.5–34.6
Total Predatory	71	0.71	11.13	255.9	2.56	....	....
Gizzard shad	345	3.45	54.07	327.6	3.28	13.4	11.0–16.1
River herring	2	0.02	0.31	3.7	0.04	16.0	15.4–16.5
Total Forage	347	3.47	54.38	331.3	3.32	....	....
GRAND TOTAL	638	6.38	100.00	864.4	8.66	....	....

TABLE 51

Composition of Catch of Two Inch Mesh Gill Nets Made With #18/3 Linen In 33 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Smallmouth buffalo	2	0.06	1.92	1.4	0.04	10.2	....
Black buffalo	2	0.06	1.92	3.2	0.10	13.6	12.6–14.6
River carpsucker	15	0.45	14.42	16.2	0.49	14.1	12.6–14.2
Channel catfish	6	0.18	5.77	7.1	0.21	15.0	11.8–16.5
Blue catfish	1	0.03	0.96	1.2	0.04	16.1	....
Freshwater drum	4	0.12	3.85	5.1	0.15	12.9	11.4–15.0
Total Commercial	30	0.90	28.84	34.2	1.03	....	....
White bass	1	0.03	0.96	1.2	0.04	13.4	....
Yellow bass	9	0.27	8.65	7.5	0.23	11.0	10.6–11.4
Redear sunfish	1	0.03	0.96	0.9	0.03	9.8	....
Bluegill	3	0.09	2.88	1.8	0.05	8.0	7.1– 9.1
Black crappie	1	0.03	0.96	1.2	0.04	11.8	....
White crappie	1	0.03	0.96	0.7	0.02	10.2	....
Total Sport	16	0.48	15.37	13.3	0.41	....	....
Longnose gar	11	0.33	10.58	67.6	2.05	38.7	35.0–46.9
Shortnose gar	3	0.09	2.88	8.4	0.25	27.6	26.8–28.3
Spotted gar	11	0.33	10.58	34.7	1.05	26.7	20.1–31.1
Total Predatory	25	0.75	24.04	110.7	3.35	....	....
Gizzard shad	33	1.00	31.75	31.2	0.95	13.5	8.7–15.0
Total Forage	33	1.00	31.75	31.2	0.95	....	....
GRAND TOTAL	104	3.13	100.00	189.4	5.74	....	....

TABLE 52

Composition of Catch of Two and One-half Inch Mesh Gill Nets Made With #35/3 Linen In 20 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Smallmouth buffalo	1	0.05	1.49	3.2	0.16	15.8	....
Black buffalo	1	0.05	1.49	4.5	0.23	19.3	....
River carpsucker	6	0.30	8.96	10.3	0.51	14.3	13.4–16.1
Spotted sucker	1	0.05	1.49	3.0	0.15	16.5	....
Black bullhead	2	0.10	2.99	4.4	0.22	14.8	14.6–15.0
Yellow bullhead	1	0.05	1.49	2.5	0.13	16.5	....
Total Commercial	12	0.60	17.91	27.9	1.40	....	....
Largemouth bass	1	0.05	1.49	2.5	0.13	16.5	....
Redear sunfish	1	0.05	1.49	1.0	0.05	11.0	....
Bluegill	1	0.05	1.49	0.5	0.03	8.3	....
Black crappie	17	0.85	25.37	24.2	1.21	13.1	12.2–14.2
Chain pickerel	2	0.10	2.99	7.9	0.39	23.8	23.2–24.4
Total Sport	22	1.10	32.83	36.1	1.81	....	....
Longnose gar	2	0.10	2.99	12.2	0.61	40.6	37.8–43.3
Spotted gar	5	0.25	7.46	24.1	1.20	29.8	28.3–31.5
Bowfin	1	0.05	1.49	5.3	0.27	24.8	....
Total Predatory	8	0.40	11.94	41.6	2.08	....	....
Gizzard shad	25	1.25	37.32	34.9	1.75	14.3	11.4–15.0
Total Forage	25	1.25	37.32	34.9	1.75	....	....
GRAND TOTAL	67	3.35	100.00	140.5	7.04	....	....

TABLE 53

Composition of Catch of One Inch Mesh Gill Nets Made With #69 Bonded Nylon In 90 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Bigmouth buffalo	2	0.02	0.06	9.4	0.10	12.7	5.9–19.3
Smallmouth buffalo	3	0.03	0.09	5.0	0.06	12.4	9.4–17.7
River carpsucker	18	0.20	0.55	22.7	0.25	13.2	5.9–14.9
Blacktail redhorse	1	0.01	0.03	0.2	T	8.3	....
Spotted sucker	27	0.30	0.83	33.1	0.37	11.8	8.3–18.5
Carp	17	0.19	0.52	36.4	0.40	13.0	5.5–21.3
Lake chubsucker	37	0.41	1.14	21.8	0.24	9.8	9.0–11.4
Black bullhead	1	0.01	0.03	0.8	0.01	10.6	....
Yellow bullhead	35	0.39	1.08	37.4	0.42	12.0	7.1–14.6
Channel catfish	424	4.71	13.04	203.7	2.26	11.2	5.1–20.1
Blue catfish	4	0.04	0.12	4.0	0.04	14.1	11.8–15.4
Flathead catfish	1	0.01	0.03	8.0	0.09	27.2	....
Freshwater drum	13	0.14	0.39	4.7	0.05	8.2	5.9–12.6
Total Commercial	583	6.46	17.91	387.2	4.29	....	....
White bass	4	0.04	0.12	1.9	0.02	8.5	6.7–11.8
Yellow bass	319	3.54	9.82	137.2	1.52	9.3	6.2–12.2
Spotted bass	1	0.01	0.03	0.3	T	7.5	....
Largemouth bass	33	0.37	1.02	50.5	0.56	12.4	7.1–20.1
Warmouth	51	0.57	1.57	12.4	0.14	6.1	5.1– 8.3
Redear sunfish	61	0.68	1.89	16.1	0.18	5.9	4.7–10.6
Longear sunfish	20	0.22	0.62	2.7	0.03	4.6	3.9– 6.3
Orangespotted sunfish	1	0.01	0.03	0.2	T	5.1	....
Bluegill	183	2.03	5.62	29.9	0.33	5.7	3.9– 9.1
Flier	1	0.01	0.03	0.2	T	4.3	....
Black crappie	100	1.11	3.08	60.3	0.67	8.1	4.7–14.9
White crappie	46	0.51	1.42	30.1	0.33	8.9	6.3–15.3
Sauger	8	0.09	0.25	4.4	0.05	9.7	5.9–11.0
Chain pickerel	17	0.19	0.52	20.5	0.23	17.3	15.4–23.6
Total Sport	845	9.38	26.02	366.7	4.06	....	....
Longnose gar	24	0.27	0.74	226.1	2.51	41.2	27.6–55.1
Shortnose gar	26	0.29	0.80	75.9	0.84	26.5	21.6–33.8
Spotted gar	117	1.30	3.60	272.1	3.02	24.3	17.3–31.9
Bowfin	2	0.02	0.06	9.0	0.10	23.4	22.4–24.4
Total Predatory	169	1.88	5.20	583.1	6.47	....	....
Gizzard shad	1,611	17.90	49.55	354.3	3.94	8.9	5.9–16.1
Threadfin shad	6	0.07	0.18	0.9	0.01	7.3	7.0– 7.5
River herring	21	0.23	0.65	9.1	0.10	9.3	6.3–13.8
Golden shiner	11	0.12	0.34	2.4	0.03	7.6	7.1– 8.3
Mullet	5	0.06	0.15	2.1	0.02	9.3	8.7–11.0
Total Forage	1,654	18.38	50.87	368.8	4.10	....	....
GRAND TOTAL	3,251	36.10	100.00	1,705.8	18.92	....	....

TABLE 54

Composition of Catch of One Inch Mesh Gill Nets Made With #104 Bonded Nylon In 108 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Smallmouth buffalo	3	0.03	0.13	16.7	0.15	17.3	9.4–25.2
River carpsucker	29	0.27	1.24	53.9	0.50	13.7	5.5–18.5
Spotted sucker	12	0.11	0.51	21.0	0.19	14.8	8.3–17.7
Carp	1	0.01	0.04	6.0	0.06	22.4	....
Lake chubsucker	65	0.60	2.77	35.5	0.33	11.1	7.5–12.2
Yellow bullhead	20	0.19	0.85	17.4	0.16	11.0	6.7–13.8
Channel catfish	156	1.44	6.67	78.8	0.73	11.9	7.5–17.7
Blue catfish	7	0.06	0.30	27.1	0.25	15.9	8.7–34.6
Flathead catfish	1	0.01	0.04	0.6	0.01	11.4	....
Freshwater drum	15	0.14	0.64	4.0	0.04	7.6	6.3–11.0
Total Commercial	309	2.86	13.19	261.0	2.42	....	....
White bass	3	0.03	0.13	1.8	0.02	10.0	9.8–10.2
Yellow bass	352	3.26	15.03	101.8	0.94	8.5	5.9–11.8
Largemouth bass	36	0.33	1.55	46.6	0.43	11.1	6.7–20.5
Warmouth	58	0.54	2.47	12.3	0.11	6.2	5.1– 9.1
Redear sunfish	81	0.75	3.45	18.2	0.17	5.7	4.7– 8.7
Longear sunfish	11	0.10	0.47	1.2	0.01	4.4	4.3– 4.7
Bluegill	119	1.10	5.08	21.2	0.20	5.6	4.3– 9.8
Black crappie	141	1.31	6.01	57.0	0.53	8.0	5.1–11.8
White crappie	14	0.13	0.60	10.2	0.09	9.1	5.9–13.4
Sauger	5	0.05	0.22	3.4	0.03	12.3	9.8–15.0
Chain pickerel	20	0.19	0.85	21.6	0.20	17.4	15.4–19.7
Total Sport	840	7.79	35.86	295.3	2.73	....	....
Longnose gar	11	0.10	0.47	111.0	1.03	44.8	32.7–63.0
Shortnose gar	25	0.23	1.07	62.6	0.58	25.5	....
Spotted gar	112	1.04	4.78	258.3	2.39	23.4	15.8–36.2
Needlefish	4	0.04	0.17	3.4	0.03	23.8	23.6–24.4
Total Predatory	152	1.41	6.49	435.3	4.03	....	....
Gizzard shad	1,004	9.30	42.83	240.4	2.22	8.4	4.3–16.9
Threadfin shad	6	0.06	0.26	0.8	0.01	7.2	6.7– 7.9
River herring	16	0.15	0.64	3.7	0.03	9.9	6.7–11.8
Golden shiner	17	0.16	0.73	3.1	0.03	7.9	7.5– 8.7
Total Forage	1,043	9.67	44.46	248.0	2.29	....	....
GRAND TOTAL	2,344	21.73	100.00	1,239.6	11.47	....	....

TABLE 55

Composition of Catch of One Inch Mesh Gill Nets Made With #139 Bonded Nylon In 111 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Black buffalo	3	0.03	0.14	6.1	0.05	14.4	12.6–15.4
River carpsucker	42	0.38	1.97	59.5	0.54	12.5	5.5–16.1
Spotted sucker	5	0.05	0.23	8.8	0.08	14.3	10.6–18.1
Blacktail redhorse	1	0.01	0.05	1.4	0.01	13.8	....
Carp	1	0.01	0.05	6.7	0.06	24.4	....
Lake chubsucker	40	0.36	1.88	23.2	0.21	9.8	6.7–11.8
Yellow bullhead	16	0.14	0.75	22.5	0.20	12.2	7.9–13.8
Channel catfish	396	3.57	18.62	162.6	1.46	10.7	7.1–19.3
Blue catfish	4	0.04	0.19	1.8	0.02	11.3	9.8–11.8
Freshwater drum	15	0.13	0.70	7.5	0.07	8.8	6.3–17.3
Total Commercial	523	4.72	24.58	300.1	2.70	....	....
White bass	1	0.01	0.05	0.2	T	7.1	....
Yellow bass	345	3.11	16.21	105.7	0.96	8.2	5.9–11.4
Largemouth bass	32	0.29	1.50	43.6	0.39	11.8	7.5–20.1
Warmouth	57	0.51	2.68	15.9	0.14	6.5	4.7– 9.4
Redear sunfish	92	0.83	4.32	13.2	0.12	5.4	4.7–10.6
Longear sunfish	14	0.13	0.66	1.6	0.01	4.4	3.9– 4.7
Orangespotted sunfish	2	0.02	0.09	0.4	T	4.5	4.3– 4.7
Flier	1	0.01	0.05	0.1	T	3.9	....
Bluegill	120	1.08	5.64	15.3	0.14	5.1	4.3– 6.3
Black crappie	178	1.60	8.37	32.0	0.29	6.4	5.5–13.8
White crappie	17	0.15	0.80	4.9	0.04	7.2	5.1–11.0
Chain pickerel	23	0.21	1.08	32.9	0.30	18.2	15.4–19.7
Sauger	22	0.20	1.03	8.3	0.07	10.7	10.6–12.6
Total Sport	904	8.15	42.48	274.1	2.46	....	....
Longnose gar	31	0.28	1.46	182.5	1.64	38.6	22.4–66.1
Shortnose gar	19	0.17	0.89	49.6	0.45	26.3	19.7–31.5
Spotted gar	97	0.87	4.56	245.0	2.21	24.9	15.8–32.3
Bowfin	1	0.01	0.05	4.3	0.04	22.0	....
Total Predatory	148	1.33	6.96	481.4	4.34	....	....
Gizzard shad	459	4.13	21.57	134.9	1.21	8.5	6.3–16.1
Threadfin shad	43	0.39	2.02	5.4	0.05	6.6	6.3– 6.7
River herring	42	0.38	1.97	7.4	0.07	7.8	7.1–11.4
Golden shiner	4	0.04	0.19	0.8	0.01	7.4	6.7– 7.9
Mullet	2	0.02	0.09	1.7	0.02	10.0	9.8–10.2
Flounder	2	0.02	0.09	0.3	T	5.9	....
American eel	1	0.01	0.05	1.0	0.01	22.0	....
Total Forage	553	4.99	25.98	151.5	1.37	....	....
GRAND TOTAL	2,128	19.99	100.00	1,207.1	10.87	....	....

TABLE 56

Composition of Catch of One and One-half Inch Mesh Gill Nets Made With #69 Bonded Nylon In 103 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Smallmouth buffalo	5	0.05	0.23	17.5	0.17	16.5	10.2–21.6
River carpsucker	27	0.26	1.25	61.7	0.60	15.4	10.2–20.9
Blacktailed redhorse	16	0.16	0.74	16.5	0.16	13.0	12.2–14.0
Spotted sucker	7	0.07	0.32	12.8	0.12	15.0	13.4–18.9
Carp	2	0.02	0.09	23.7	0.23	27.1	25.1–29.1
Lake chubsucker	31	0.30	1.44	22.3	0.22	10.9	10.2–12.5
Black bullhead	3	0.03	0.14	3.5	0.03	12.5	11.8–13.4
Yellow bullhead	17	0.17	0.79	18.3	0.18	11.5	9.4–14.2
Channel catfish	193	1.87	8.94	191.3	1.85	13.8	10.2–19.3
Blue catfish	13	0.13	0.60	13.8	0.13	14.9	11.0–19.3
Flathead catfish	2	0.02	0.09	5.4	0.05	18.5	16.5–20.4
Freshwater drum	26	0.25	1.20	23.2	0.23	12.6	9.0–17.3
Total Commercial	342	3.33	15.83	410.0	3.97	....	....
White bass	12	0.12	0.56	13.8	0.13	13.4	10.8–14.5
Yellow bass	224	2.17	10.38	126.3	1.23	9.8	7.0–11.4
Spotted bass	1	0.01	0.05	1.0	0.01	10.2	....
Largemouth bass	15	0.14	0.69	19.1	0.18	12.6	10.6–16.9
Warmouth bass	16	0.16	0.74	7.6	0.07	8.3	7.1–10.2
Redear sunfish	62	0.60	2.87	26.7	0.26	7.4	6.3– 8.6
Bluegill	86	0.83	3.98	31.6	0.31	6.8	6.7– 8.6
Black crappie	95	0.92	4.40	53.0	0.51	9.4	7.5–12.0
White crappie	41	0.40	1.90	27.9	0.27	10.2	8.2–13.2
Sauger	1	0.01	0.05	1.4	0.01	15.7	....
Total Sport	553	5.36	25.62	308.4	2.98	....	....
Alligator gar	1	0.01	0.05	70.0	0.67	65.0	....
Longnose gar	22	0.21	1.02	117.7	1.14	42.9	34.0–59.0
Shortnose gar	66	0.64	3.06	147.2	1.43	25.6	20.9–32.2
Spotted gar	178	1.73	8.24	354.5	3.44	23.5	18.1–31.1
Total Predatory	267	2.59	12.37	689.4	6.68	....	....
Gizzard shad	991	9.62	45.90	567.2	5.51	9.9	6.7–18.5
River herring	6	0.06	0.28	4.9	0.05	....	....
Total Forage	997	9.68	46.18	572.1	5.56	....	....
GRAND TOTAL	2,159	20.96	100.00	1,979.9	19.19	....	....

TABLE 57

omposition of Catch of One and One-half Inch Mesh Gill Nets Made With #104 Bonded Nylon In 100 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
igmouth buffalo	1	0.01	0.06	1.7	0.02	15.8	....
mallmouth buffalo	11	0.11	0.62	19.2	0.19	12.6	9.1–20.1
iver carpsucker	28	0.28	1.56	75.8	0.76	15.6	11.0–22.0
lacktail redhorse	6	0.06	0.34	5.8	0.06	12.8	12.2–14.2
potted sucker	3	0.03	0.17	6.9	0.07	15.9	13.8–17.7
arp	10	0.10	0.56	37.0	0.37	17.6	8.7–22.1
ake chubsucker	68	0.68	3.81	52.0	0.52	10.9	9.8–11.8
lack bullhead	5	0.05	0.28	7.0	0.07	12.8	11.0–16.1
ellow bullhead	21	0.21	1.18	22.0	0.22	12.1	9.4–15.4
hannel catfish	133	1.33	7.44	123.3	1.23	13.4	9.1–20.5
lue catfish	14	0.14	0.78	12.3	0.12	12.6	11.8–15.7
reshwater drum	20	0.20	1.12	13.7	0.14	11.0	8.7–16.9
Total Commercial	320	3.20	17.92	376.7	3.77	....	....
hite bass	5	0.05	0.28	3.7	0.04	10.6	8.7–13.4
ellow bass	71	0.71	3.97	41.2	0.41	9.7	5.5–11.4
potted bass	2	0.02	0.11	1.2	0.01	10.4	10.2–10.6
argemouth bass	20	0.20	1.12	21.7	0.22	13.0	10.2–19.7
armouth	11	0.11	0.62	4.8	0.05	7.2	6.2– 8.7
edear sunfish	46	0.46	2.57	21.8	0.22	7.4	6.6– 9.4
luegill	77	0.77	4.31	28.9	0.29	7.6	5.1– 7.9
lack crappie	122	1.22	6.82	68.2	0.68	9.6	7.9–15.0
hite crappie	51	0.51	2.85	33.4	0.33	10.6	7.9–14.2
auger	1	0.01	0.06	2.4	0.02	18.3	....
hain pickerel	7	0.07	0.39	10.3	0.10	18.7	17.3–19.7
Total Sport	413	4.13	23.10	237.6	2.37	....	....
ongnose gar	36	0.36	2.01	243.3	2.43	38.5	20.5–59.1
hortnose gar	65	0.65	3.64	155.9	1.56	25.2	20.5–33.1
potted gar	189	1.89	10.57	392.4	3.92	27.0	18.9–33.5
Total Predatory	290	2.90	16.22	791.6	7.91	....	....
izzard shad	751	7.51	42.03	424.7	4.25	11.9	6.7–15.7
iver herring	11	0.11	0.62	7.4	0.07	12.1	7.9–14.2
ullet	2	0.02	0.11	1.9	0.02	12.2	....
Total Forage	764	7.64	42.76	434.0	4.34	....	....
GRAND TOTAL	1,787	17.87	100.00	1,839.9	18.39	....	....

TABLE 58

Composition of Catch of One and One-half Inch Mesh Gill Nets Mad With #139 Bonded Nylon In 101 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range I Length
Bigmouth buffalo	1	0.01	0.05	1.4	0.01	12.6	....
Smallmouth buffalo	4	0.04	0.20	8.9	0.09	13.3	9.1–19.
River carpsucker	24	0.24	1.20	47.9	0.47	14.9	12.2–16.
Blacktail redhorse	16	0.16	0.80	19.9	0.20	13.9	10.6–14.
Spotted sucker	5	0.05	0.25	5.8	0.06	13.4	11.4–14.
Carp	1	0.01	0.05	5.3	0.05	20.5	....
Lake chubsucker	92	0.91	4.60	65.7	0.65	10.8	9.8–12.
Black bullhead	1	0.01	0.05	2.1	0.02	14.6	....
Yellow bullhead	22	0.22	1.10	28.9	0.29	12.2	11.4–16.
Channel catfish	124	1.23	6.20	137.7	1.36	13.9	9.5–22.
Blue catfish	13	0.13	0.65	16.5	0.16	14.1	12.2–20.
Flathead catfish	1	0.01	0.05	0.5	T	11.8	....
Freshwater drum	18	0.18	0.90	9.2	0.09	9.7	6.3–13.
Total Commercial	322	3.20	16.10	349.8	3.45	....	....
White bass	9	0.09	0.45	6.2	0.06	10.5	9.1–12.
Yellow bass	102	1.01	5.10	59.8	0.59	9.9	8.7–11.
Spotted bass	1	0.01	0.05	0.7	T	10.2	....
Largemouth bass	33	0.33	1.65	47.1	0.47	12.8	8.3–20.
Warmouth	24	0.24	1.20	11.1	0.11	7.6	5.1– 9.
Redear sunfish	63	0.62	3.15	26.9	0.27	7.4	6.3–10.
Bluegill	72	0.71	3.60	25.6	0.25	6.6	5.9– 8.
Black crappie	107	1.06	5.35	61.6	0.61	10.0	7.5–15.
White crappie	49	0.48	2.45	35.5	0.35	10.1	7.9–14.
Sauger	1	0.01	0.05	2.3	0.02	18.1	....
Chain pickerel	8	0.08	0.40	20.2	0.20	20.7	18.1–23.
Total Sport	469	4.64	23.45	297.0	2.93	....	....
Alligator gar	1	0.01	0.05	9.5	0.09	36.6	....
Longnose gar	30	0.30	1.50	299.6	2.27	40.2	32.7–59.
Shortnose gar	56	0.55	2.80	116.1	1.15	24.7	22.4–33.
Spotted gar	236	2.34	11.80	476.5	4.72	23.7	19.3–32.
Total Predatory	323	3.20	16.15	831.7	8.23	....	....
Gizzard shad	882	8.73	44.10	496.6	4.92	11.4	5.9–16.
River herring	3	0.03	0.15	2.5	0.02	12.6	11.0–15.
Mullet	1	0.01	0.05	1.2	0.01	17.8	....
Total Forage	886	8.77	44.30	500.3	4.95	....	....
GRAND TOTAL	2,000	19.81	100.00	1,978.8	19.56	....	....

TABLE 59

Composition of Catch of Two Inch Mesh Gill Nets Made With #104 Bonded Nylon In 74 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
addlefish	2	0.03	0.21	6.2	0.08	29.3	24.4–34.3
igmouth buffalo	5	0.07	0.52	53.3	0.72	24.4	18.5–30.3
mallmouth buffalo	2	0.03	0.21	10.7	0.14	18.5	13.4–23.6
lack buffalo	6	0.03	0.21	7.0	0.09	17.1	14.9–19.3
iver carpsucker	111	1.50	11.47	202.6	2.74	15.3	11.8–17.7
potted sucker	5	0.07	0.52	13.3	0.18	17.6	16.5–18.9
arp	6	0.08	0.62	28.0	0.38	18.0	13.4–27.6
lack bullhead	8	0.11	0.83	5.8	0.08	14.0	13.0–14.6
ellow bullhead	19	0.26	1.96	33.1	0.45	13.7	12.6–15.0
hannel catfish	42	0.56	4.34	84.6	1.14	16.8	9.4–20.9
lue catfish	5	0.07	0.52	7.5	0.10	16.0	11.4–18.1
lathead catfish	1	0.01	0.10	2.2	0.03	17.7	....
reshwater drum	30	0.40	3.10	31.2	0.42	12.7	7.1–16.1
Total Commercial	238	3.22	24.61	485.5	6.55	....	....
hite bass	1	0.01	0.10	1.2	0.02	13.0	....
ellow bass	10	0.14	1.03	10.0	0.14	11.4	10.6–12.2
potted bass	3	0.04	0.31	3.8	0.05	12.2	11.5–13.7
argemouth bass	8	0.11	0.83	11.8	0.16	13.8	9.1–16.1
armouth	3	0.04	0.31	3.2	0.04	9.3	8.7– 9.8
edear sunfish	15	0.20	1.55	12.7	0.17	9.4	8.6–10.2
luegill	29	0.39	2.99	18.5	0.25	8.4	7.9–13.0
lack crappie	33	0.45	3.41	32.7	0.44	11.3	9.4–13.0
hite crappie	19	0.26	1.96	18.8	0.25	11.5	10.2–12.6
auger	1	0.01	0.10	2.3	0.03	16.9	....
Total Sport	122	1.65	12.59	115.0	1.55	....	....
ongnose gar	29	0.39	2.99	237.5	3.21	40.9	31.9–58.3
hortnose gar	28	0.38	2.90	97.8	1.32	28.6	25.6–33.5
potted gar	95	1.28	9.81	312.1	4.22	27.1	20.5–31.5
owfin	3	0.04	0.31	15.2	0.21	23.1	19.3–26.4
Total Predatory	155	2.09	16.01	662.6	8.95	....	....
izzard shad	452	6.11	46.69	438.5	5.93	13.7	9.4–15.7
iver herring	1	0.01	0.10	0.6	0.01	11.0	....
Total Forage	453	6.12	46.79	439.1	5.94	....	....
GRAND TOTAL	968	13.08	100.00	1,702.2	23.00	....	....

TABLE 60

Composition of Catch of Two Inch Mesh Gill Nets Made With #139 Bonded Nylon In 105 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range I Length
Paddlefish	2	0.02	0.14	16.4	0.16	34.3	27.2–41.
Bigmouth buffalo	5	0.05	0.35	27.1	0.26	19.1	12.6–23.
Smallmouth buffalo	8	0.08	0.56	20.6	0.20	15.4	10.6–20.
Black buffalo	1	0.01	0.07	2.6	0.02	16.1	....
River carpsucker	85	0.81	5.91	185.0	1.76	15.1	12.1–21.
Spotted sucker	6	0.06	0.42	12.8	0.12	15.4	12.6–18.
Carp	19	0.18	1.32	73.6	0.70	18.3	10.6–24.
Lake chubsucker	42	0.40	2.92	46.1	0.44	11.6	10.6–13.
Black bullhead	2	0.02	0.14	4.8	0.05	14.4	12.6–16.
Yellow bullhead	19	0.18	1.32	33.6	0.32	13.4	12.2–14.
Channel catfish	44	0.42	3.06	84.0	0.80	16.3	6.3–22.
Blue catfish	3	0.03	0.20	7.7	0.07	18.2	15.7–22.
Flathead catfish	3	0.03	0.20	16.4	0.16	19.6	14.6–28.
Freshwater drum	19	0.18	1.32	19.8	0.19	12.1	7.1–18.
Total Commercial	258	2.47	17.93	550.5	5.25	....	....
White bass	8	0.08	0.56	11.8	0.11	14.0	12.2–16.
Yellow bass	23	0.22	1.60	19.9	0.19	11.1	5.9–12.
Spotted bass	6	0.06	0.42	9.8	0.09	14.2	12.6–15.
Largemouth bass	32	0.30	2.23	64.6	0.62	15.5	13.0–21.
Warmouth	3	0.03	0.20	2.4	0.02	8.7	7.5– 9.
Redear sunfish	38	0.36	2.63	25.8	0.25	8.8	7.9–11.
Bluegill	88	0.84	6.11	50.3	0.48	8.2	6.7– 9.
Black crappie	46	0.44	3.20	45.8	0.44	11.4	9.4–14.
White crappie	37	0.35	2.58	39.3	0.37	11.6	9.8–13.
Chain pickerel	3	0.03	0.20	6.3	0.06	19.3	18.5–22.
Total Sport	284	2.71	19.73	276.0	2.63	....	....
Longnose gar	49	0.47	3.41	430.0	4.10	41.2	31.9–59.
Shortnose gar	30	0.29	2.08	108.1	1.03	29.2	26.0–31.
Spotted gar	121	1.15	8.41	420.6	4.01	27.1	23.2–36.
Bowfin	1	0.01	0.07	2.9	0.03	20.5	....
Total Predatory	201	1.92	13.97	961.6	9.17	....	....
Gizzard shad	687	6.54	47.74	664.7	6.32	13.5	11.0–18.
River herring	5	0.05	0.35	2.2	0.02	10.8	10.2–11.
Mullet	4	0.04	0.28	8.0	0.08	15.7	....
Total Forage	696	6.63	48.37	674.9	6.42	....	....
GRAND TOTAL	1,439	13.73	100.00	2,463.0	23.47	....	....

TABLE 61

Composition of Catch of Two Inch Mesh Gill Nets Made With #208 Bonded Nylon In 107 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
igmouth buffalo	1	0.01	0.09	1.5	0.01	13.4	....
mallmouth buffalo	3	0.03	0.27	8.8	0.08	13.2	10.6–20.1
lack buffalo	1	0.01	0.09	6.2	0.06	21.7	....
iver carpsucker	92	0.86	8.14	159.6	1.49	14.9	12.2–22.4
potted sucker	4	0.04	0.35	9.5	0.09	16.2	14.6–17.7
arp	8	0.07	0.72	40.7	0.38	20.5	18.5–24.0
ake chubsucker	27	0.25	2.39	28.5	0.27	11.7	11.0–12.2
lack bullhead	4	0.04	0.35	5.6	0.05	13.0	12.1–13.7
ellow bullhead	11	0.10	0.97	20.0	0.19	13.6	12.9–14.6
hannel catfish	45	0.42	3.98	94.4	0.88	16.6	13.4–22.4
lue catfish	7	0.07	0.61	14.7	0.14	17.1	14.6–22.4
lathead catfish	1	0.01	0.09	5.0	0.05	22.1	....
reshwater drum	8	0.07	0.72	10.6	0.10	13.3	11.4–17.1
Total Commercial	212	1.98	18.77	405.1	3.79	....	....
Vhite bass	5	0.05	0.44	7.3	0.07	13.8	13.4–14.2
ellow bass	14	0.13	1.24	13.2	0.12	11.2	10.6–11.8
argemouth bass	23	0.21	2.04	49.7	0.46	15.4	8.3–19.3
Varmouth	3	0.03	0.27	2.7	0.03	9.3	9.0– 9.5
edear sunfish	44	0.41	3.89	28.9	0.27	9.0	7.9–10.2
luegill	58	0.54	5.13	34.2	0.32	8.2	7.1– 9.1
lack crappie	38	0.36	3.36	37.6	0.35	11.1	7.5–13.0
Vhite crappie	48	0.45	4.24	52.7	0.49	12.1	10.6–13.4
auger	1	0.01	0.09	2.2	0.02	18.1	....
Total Sport	234	2.19	20.70	228.5	2.13	....	....
ongnose gar	63	0.59	5.57	467.3	4.37	40.5	33.9–60.6
hortnose gar	25	0.23	2.21	82.8	0.77	27.8	24.8–31.5
potted gar	75	0.70	6.64	256.6	2.40	27.7	22.0–36.2
Bowfin	3	0.03	0.27	17.0	0.16	23.9	21.7–26.5
Needle fish	1	0.01	0.09	0.1	T	15.0	....
Total Predatory	167	1.56	14.78	823.8	7.70	....	....
Gizzard shad	517	4.83	45.75	476.0	4.45	13.9	9.8–17.3
Total Forage	517	4.83	54.75	476.0	4.45	....	....
GRAND TOTAL	1,130	10.56	100.00	1,933.4	18.07	....	....

TABLE 62

Composition of Catch of Two Inch Mesh Gill Nets Made With #277 Bonded Nylon In 17 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Bigmouth buffalo	3	0.18	0.70	22.9	1.35	21.7	20.9–22.8
Smallmouth buffalo	5	0.29	1.16	9.3	0.55	15.4	10.2–20.1
Black buffalo	3	0.18	0.70	4.3	0.25	13.1	12.6–13.4
River carpsucker	37	2.18	8.60	46.8	2.75	13.6	13.0–14.2
Carp	10	0.59	2.33	53.9	3.17	20.5	18.1–24.0
Channel catfish	18	1.06	4.19	26.7	1.57	15.6	10.2–26.8
Freshwater drum	6	0.35	1.40	11.9	0.70	14.8	12.2–17.3
Total Commercial	82	4.83	19.08	175.8	10.34	....	....
Yellow bass	104	6.12	24.18	92.1	5.42	11.0	9.8–13.4
Largemouth bass	3	0.18	0.70	5.5	0.32	15.3	15.0–15.4
Black crappie	2	0.12	0.47	2.5	0.15	12.0	11.4–12.6
White crappie	7	0.41	1.63	6.6	0.39	11.2	10.2–13.4
Total Sport	116	6.83	26.98	106.7	6.28	....	....
Alligator gar	3	0.18	0.70	17.6	1.04	30.6	25.2–35.8
Longnose gar	31	1.82	7.20	204.7	12.04	39.2	27.6–50.0
Shortnose gar	9	0.53	2.09	34.7	2.04	29.8	26.8–32.7
Spotted gar	2	0.12	0.47	10.2	0.60	30.5	29.5–31.5
Total Predatory	45	2.65	10.46	267.2	15.72	....	....
Gizzard shad	186	10.94	43.25	191.5	11.26	13.8	11.8–17.3
River herring	1	0.06	0.23	1.3	0.07	15.0	....
Total Forage	187	11.00	43.48	192.8	11.33	....	....
GRAND TOTAL	430	25.31	100.00	742.5	43.67	....	....

TABLE 63

Composition of Catch of Two and One-half Inch Mesh Gill Nets Made With #139 Bonded Nylon In 80 Net Days

Kind of Fish	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Bigmouth buffalo	10	0.13	3.11	24.4	0.31	17.5	13.4–22.0
Smallmouth buffalo	8	0.10	2.48	36.5	0.46	18.5	13.4–22.4
Black buffalo	4	0.05	1.24	14.5	0.18	17.7	15.8–20.9
River carpsucker	87	1.09	27.02	212.5	2.66	16.1	14.2–23.8
Carp	13	0.16	4.04	39.0	0.49	18.1	15.4–20.9
Black bullhead	7	0.09	2.17	21.6	0.27	16.7	14.2–18.1
Yellow bullhead	1	0.01	0.31	3.0	0.04	15.8	....
Channel catfish	3	0.04	0.93	11.0	0.14	19.8	19.3–20.5
Flathead catfish	1	0.01	0.31	6.7	0.08	20.1	....
Freshwater drum	12	0.15	3.73	24.6	0.31	15.7	14.2–18.1
Total Commercial	146	1.83	45.34	393.8	4.94	....	....
White bass	6	0.08	1.86	14.4	0.18	16.6	15.8–17.3
Largemouth cass	18	0.22	5.59	50.8	0.64	16.4	16.5–18.5
Redear sunfish	3	0.04	0.93	2.4	0.03	9.4	7.5–16.2
Bluegill	2	0.02	0.62	1.2	0.02	7.7	7.5– 7.9
Black crappie	37	0.46	11.49	58.3	0.73	13.7	11.4–15.0
White crappie	13	0.16	4.04	21.8	0.25	13.3	11.8–13.8
Total Sport	79	0.99	24.53	148.9	1.85	....	....
Longnose gar	7	0.09	2.18	52.0	0.65	39.6	35.4–46.1
Shortnose gar	2	0.02	0.62	12.7	0.16	32.2	30.8–33.6
Spotted gar	6	0.08	1.86	38.1	0.48	30.3	25.6–33.8
Bowfin	1	0.01	0.31	7.0	0.09	26.0	....
Total Predatory	16	0.20	4.97	109.8	1.38	....	....
Gizzard shad	79	0.99	24.54	121.7	1.52	15.4	10.2–17.7
River herring	2	0.02	0.62	1.1	0.01	11.2	11.0–11.4
Total Forage	81	1.01	25.16	122.8	1.53	....	....
GRAND TOTAL	322	4.03	100.00	775.3	9.70	....	....

TABLE 64

Composition of Catch of Three Inch Mesh Gill Nets Made With #139 Bonded Nylon In 102 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range I Length
Paddlefish	5	0.05	4.39	83.7	0.82	45.7	37.4–54.
Bigmouth buffalo	6	0.06	5.26	30.8	0.29	19.4	16.5–24.
Smallmouth buffalo	27	0.27	23.68	142.3	1.40	18.4	15.4–22.
Black buffalo	3	0.03	2.63	21.0	0.21	21.0	18.1–25.
River carpsucker	10	0.10	8.78	36.5	0.36	17.7	15.7–20.
Carp	2	0.02	1.75	14.7	0.14	23.2	19.3–27.
Black bullhead	4	0.04	3.51	10.7	0.10	14.7	13.4–15.
Channel catfish	4	0.04	3.51	20.1	0.20	22.1	20.9–23.
Blue catfish	1	0.01	0.88	1.3	0.01	15.8	....
Flathead catfish	1	0.01	0.88	6.5	0.06	24.0	....
Freshwater drum	5	0.05	4.39	12.4	0.12	15.9	12.6–20.
Total Commercial	68	0.68	59.66	380.0	3.71	....	....
Largemouth bass	3	0.03	2.63	14.5	0.14	19.9	19.6–20.
Redear sunfish	2	0.02	1.75	2.2	0.02	11.0	....
Black crappie	14	0.14	12.28	28.0	0.27	14.2	12.6–15.
White crappie	2	0.02	1.75	2.8	0.03	13.3	11.8–15.
Chain pickerel	1	0.01	0.88	1.4	0.01	18.5	....
Total Sport	22	0.22	19.29	48.9	0.47	....	....
Longnose gar	7	0.07	6.14	62.8	0.62	38.9	35.2–42.
Spotted gar	2	0.02	1.75	13.7	0.13	33.9	31.5–36.
Bowfin	1	0.01	0.88	9.2	0.09	27.9	....
Needlefish	1	0.01	0.88	0.2	T	16.5	....
Total Predatory	11	0.11	9.65	85.9	0.84	....	....
Gizzard shad	13	0.13	11.40	19.7	0.19	14.5	7.9–18.
Total Forage	13	0.13	11.40	19.7	0.19	....	....
GRAND TOTAL	114	1.14	100.00	534.5	5.21	....	....

TABLE 65

Composition of Catch of Four Inch Mesh Gill Nets Made With #139 Bonded Nylon In 72 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Paddlefish	9	0.13	8.11	96.0	1.33	42.9	34.8–58.3
Bigmouth buffalo	51	0.71	45.95	447.8	6.22	23.0	18.9–27.6
Smallmouth buffalo	14	0.19	12.61	114.7	1.59	22.3	18.1–25.6
Black buffalo	6	0.08	5.41	52.0	0.72	22.9	21.7–24.8
River carpsucker	2	0.03	1.80	10.0	0.14	21.0	19.7–22.0
Carp	10	0.14	9.01	126.5	1.76	27.2	23.2–32.3
Flathead catfish	1	0.01	0.90	7.9	0.11	25.2	....
Freshwater drum	1	0.01	0.90	6.4	0.09	19.7	....
Total Commercial	94	1.30	84.69	861.3	11.96	....	....
Alligator gar	1	0.01	0.90	38.0	0.53	51.2	....
Longnose gar	10	0.14	9.01	128.6	1.78	46.1	37.4–60.2
Shortnose gar	4	0.06	3.60	11.6	0.16	28.4	27.2–29.5
Total Predatory	15	0.21	13.51	178.2	2.47	....	....
River herring	2	0.03	1.80	0.7	0.01	10.2	....
Total Forage	2	0.03	1.80	0.7	0.01	....	....
GRAND TOTAL	111	1.54	100.00	1,042.2	14.44	....	....

TABLE 66

Composition of Catch of Four Inch Mesh Gill Nets Made With #208 Bonded Nylon In 287 Net Days

Kind of Fish	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Paddlefish	22	0.08	8.49	174.6	0.61	38.1	25.2–48.
Bigmouth buffalo	98	0.34	37.84	898.0	3.13	23.5	16.9–31.
Smallmouth buffalo	47	0.16	18.15	411.8	1.44	23.1	19.7–26.
Black buffalo	11	0.04	4.25	117.1	0.41	24.7	21.6–34.
Carp	35	0.12	13.51	397.9	1.39	26.1	22.0–33.
Channel catfish	3	0.01	1.16	9.7	0.03	19.1	16.1–22.
Blue catfish	2	0.01	0.77	13.2	0.05	24.2	22.4–26.
Flathead catfish	2	0.01	0.77	34.5	0.12	27.6	27.1–28.
Freshwater drum	8	0.02	3.09	23.6	0.08	15.6	11.0–23.
Total Commercial	228	0.79	88.03	2,080.4	7.26	....	....
Total Sport	...	....	....	....	....	....	....
Longnose gar	21	0.07	8.11	277.5	0.97	45.9	29.9–59.
Shortnose gar	1	T	0.39	1.5	T	20.9	....
Spotted gar	4	0.01	1.54	10.4	0.03	25.8	24.0–28.
Total Predatory	26	0.08	10.04	289.4	1.00	....	....
Gizzard shad	2	0.01	0.77	5.5	0.02	17.3	15.7–18.
River herring	3	0.01	1.16	0.8	T	9.5	7.1–11.
Total Forage	5	0.02	1.93	6.3	0.02	....	....
GRAND TOTAL	259	0.89	100.00	2,376.1	8.28	....	....

TABLE 67

Composition of Catch of Four Inch Mesh Gill Nets Made With #277 Bonded Nylon In 119 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
igmouth buffalo	16	0.13	26.68	161.3	1.36	24.0	22.4–26.4
mallmouth buffalo	12	0.10	20.00	85.8	0.72	21.3	19.3–24.0
lack buffalo	7	0.06	11.68	86.1	0.72	25.2	22.0–29.5
arp	15	0.12	25.00	192.6	1.62	27.2	21.3–35.4
lathead catfish	2	0.02	3.33	26.0	0.22	28.9	27.5–30.3
reshwater drum	1	0.01	1.66	4.5	0.04	14.2	....
Total Commercial	53	0.44	88.35	556.3	4.68	....	....
argemouth bass	2	0.02	3.33	9.0	0.08	17.8	14.2–21.7
Total Sport	2	0.02	3.33	9.0	0.08	....	....
ongnose gar	4	0.03	6.66	69.4	0.58	48.0	39.4–59.1
potted gar	1	0.01	1.66	4.0	0.03	30.7	....
Total Predatory	5	0.04	8.32	73.4	0.61	....	....
Total Forage	..	....	....	....	....	....	....
GRAND TOTAL	60	0.50	100.00	638.7	5.37	....	....

TABLE 68

Composition of Catch of Four Inch Mesh Gill Nets Made With #346 Bonded Nylon In 202 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Paddlefish	1	T	0.40	24.5	0.12	52.8	....
Bigmouth buffalo	107	0.53	43.14	975.0	4.83	23.7	20.5–29.5
Smallmouth buffalo	42	0.21	16.95	388.0	1.92	23.0	19.7–33.5
Black buffalo	19	0.09	7.66	214.0	1.06	25.5	17.7–33.8
River carpsucker	9	0.04	3.63	70.3	0.35	21.8	20.5–23.2
Carp	41	0.20	16.53	447.2	2.21	26.2	21.7–33.1
Blue catfish	1	T	0.40	2.9	0.01	17.2	....
Flathead catfish	12	0.06	4.84	140.5	0.70	28.5	25.2–33.5
Freshwater drum	2	0.01	0.81	19.4	0.10	22.7	15.5–30.0
Total Commercial	234	1.14	94.36	2,266.7	11.30	....	....
Largemouth bass	1	T	0.40	3.2	0.02	17.7	....
Total Sport	1	T	0.40	3.2	0.08	....	....
Longnose gar	7	0.03	2.82	136.3	0.68	52.6	42.5–62.2
Shortnose gar	2	0.01	0.81	6.0	0.03	29.1	27.5–30.7
Total Predatory	9	0.04	3.63	142.3	0.71	....	....
River herring	4	0.02	1.61	1.7	0.01	9.8	6.3–11.0
Total Forage	4	0.02	1.61	1.7	0.01	....	....
GRAND TOTAL	248	1.20	100.00	2,429.0	12.04	....	....

TABLE 69

Composition of Catch of Four and One-half Inch Mesh Gill Nets Made With #277 Bonded Nylon In 178 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Paddlefish	3	0.02	3.44	21.9	0.12	37.0	32.7–43.3
Bigmouth buffalo	17	0.10	19.54	199.9	1.12	25.0	21.3–30.3
Smallmouth buffalo	16	0.09	18.39	160.3	0.90	24.5	22.0–27.2
Black buffalo	13	0.07	14.94	176.0	0.99	26.3	22.8–33.9
River carpsucker	1	0.01	1.15	9.3	0.05	23.2	....
Carp	21	0.12	24.12	300.4	1.69	27.9	25.2–31.1
Flathead catfish	4	0.02	4.60	65.7	0.37	32.0	28.3–35.0
Total Commercial	75	0.43	86.20	933.5	5.24	....	....
Total Sport	..	....	....	....	....	....	....
Longnose gar	8	0.04	9.20	97.1	0.55	41.4	39.8–59.8
Shortnose gar	1	0.01	1.15	2.6	0.01	26.0	....
Spotted gar	2	0.01	2.30	5.9	0.03	26.7	26.0–27.6
Total Predatory	11	0.06	12.65	105.6	0.59	....	....
Gizzard shad	1	0.01	1.15	2.0	0.01	16.9	....
Total Forage	1	0.01	1.15	2.0	0.01	....	....
GRAND TOTAL	87	0.50	100.00	1,041.1	5.84	....	....

TABLE 70

Composition of Catch of One Inch Mesh Hoop Net With Cotton Twine and Steel Hoops in 160 Net Days

Kind of Fish	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Bigmouth buffalo	2	0.01	0.30	1.0	0.01	9.5	8.3–10.
Smallmouth buffalo	4	0.03	0.59	1.9	0.01	8.1	6.9–11.
River carpsucker	1	0.01	0.15	1.4	0.01	11.8	....
Carp	2	0.01	0.30	3.4	0.02	12.3	7.5–17.
Black bullhead	2	0.01	0.30	3.3	0.02	9.9	....
Yellow bullhead	1	0.01	0.15	0.2	T	7.6	....
Channel catfish	7	0.04	1.04	3.2	0.02	10.7	8.7–13.
Blue catfish	1	0.01	0.15	4.8	0.03	22.0	....
Flathead catfish	3	0.02	0.45	5.2	0.03	15.2	....
Freshwater drum	18	0.11	2.67	7.1	0.04	8.8	5.9–15.
Total Commercial	41	0.26	6.10	31.5	0.19	....	....
White bass	10	0.06	1.48	3.1	0.02	8.5	6.3–11.
Warmouth	9	0.06	1.34	2.1	0.01	6.6	4.7– 7.
Redear sunfish	6	0.04	0.88	1.9	0.01	7.2	5.7– 9.
Longear sunfish	5	0.03	0.74	0.5	T	4.9	4.1– 5.
Bluegill	49	0.31	7.27	7.5	0.05	5.7	4.0– 7.
Flier	16	0.10	2.37	1.7	0.01	5.0	4.1– 7.
Black crappie	449	2.81	66.62	50.1	0.31	5.2	4.0–11.
White crappie	1	0.01	0.15	0.7	T	11.3	....
Total Sport	545	3.42	80.85	67.6	0.41	....	....
Alligator gar	2	0.01	0.30	4.5	0.03	21.8	21.5–22.
Longnose gar	3	0.02	0.45	9.8	0.06	28.8	26.5–33.
Shortnose gar	58	0.36	8.60	92.5	0.58	20.4	17.0–28.
Spotted gar	2	0.01	0.30	11.1	0.07	28.3	27.0–29.
Total Predatory	65	0.40	9.65	117.9	0.74	....	....
Gizzard shad	23	0.14	3.40	6.7	0.04	8.7	6.3–11.
Total Forage	23	0.14	3.40	6.7	0.04	....	....
GRAND TOTAL	674	4.22	100.00	223.7	1.38	....	....

TABLE 71

Composition of Catch of One Inch Mesh Hoop Net With Cotton Twine and Wooden Hoops In 112 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Smallmouth buffalo	1	0.01	0.14	0.3	T	10.0	....
Black buffalo	1	0.01	0.14	0.9	0.01	11.4	....
Carp	2	0.02	0.28	0.3	T	6.7	....
Black bullhead	5	0.04	0.70	3.3	0.03	9.6	8.7–11.0
Yellow bullhead	2	0.02	0.28	1.1	0.01	9.3	8.1–10.5
Channel catfish	10	0.09	1.40	5.0	0.04	10.3	9.8–15.4
Blue catfish	1	0.01	0.14	0.2	T	9.0	....
Flathead catfish	1	0.01	0.14	2.0	0.02	16.5	....
Freshwater drum	20	0.18	2.81	8.3	0.07	9.0	6.5–16.0
Total Commercial	43	0.39	6.03	21.4	0.18	....	....
White bass	13	0.12	1.82	4.0	0.04	8.5	6.9–10.2
Redear sunfish	2	0.02	0.28	0.4	T	6.6	6.3– 6.9
Bluegill	16	0.14	2.24	2.1	0.02	5.5	4.3– 7.1
Flier	12	0.11	1.68	1.1	0.01	4.5	3.9– 6.2
Black crappie	391	3.49	54.85	42.2	0.38	5.2	4.1–12.0
White crappie	1	0.01	0.14	0.6	0.01	10.4	....
Sauger	1	0.01	0.14	1.2	0.01	15.0	....
Chain pickerel	1	0.01	0.14	0.6	0.01	14.0	....
Total Sport	437	3.91	61.29	52.2	0.48	....	....
Alligator gar	2	0.02	0.28	4.0	0.04	21.6	21.5–21.7
Shortnose gar	87	0.78	12.20	111.3	0.99	20.0	16.0–27.5
Spotted gar	2	0.02	0.28	5.1	0.04	22.0	....
Total Predatory	91	0.82	12.76	120.4	1.07	....	....
Gizzard shad	140	1.25	19.64	46.6	0.42	8.9	5.5–13.0
Golden shiner	2	0.02	0.28	0.2	T	6.7	....
Total Forage	142	1.27	19.92	46.8	0.42	....	....
GRAND TOTAL	713	6.39	100.00	240.8	2.15	....	....

TABLE 72

Composition of Catch of One and One-half Inch Mesh Hoop Net With Cotton Twine and Wooden Hoops In 295 Net Days

Kind of Fish	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Bigmouth buffalo	7	.02	0.93	7.7	0.03	11.2	9.8–12.2
Smallmouth buffalo	8	.03	1.08	2.0	0.01	7.7	6.9– 9.1
River carpsucker	7	.02	0.93	3.8	0.01	9.6	8.0–11.8
Spotted sucker	1	T	0.13	1.8	0.01	14.4	....
Carp	1	T	0.13	3.6	0.01	17.6	....
Black bullhead	2	.01	0.27	2.6	0.01	12.4	11.4–13.4
Yellow bullhead	1	.01	0.13	0.4	T	9.0	....
Channel catfish	10	.03	1.34	8.1	0.03	12.4	10.0–15.0
Blue catfish	2	.01	0.27	2.2	0.01	13.4	10.2–16.5
Flathead catfish	1	T	0.13	2.8	0.01	20.0	....
Freshwater drum	23	.08	3.08	17.5	0.06	10.4	6.9–13.0
Total Commercial	63	0.21	8.42	52.5	0.19	....	....
White bass	9	0.03	1.21	7.5	0.03	10.6	8.3–15.0
Warmouth	1	T	0.13	0.6	T	8.2	....
Redear sunfish	5	0.02	0.67	2.8	0.01	8.6	8.0– 8.8
Longear sunfish	1	T	0.13	0.1	T	5.0	....
Bluegill	14	0.05	1.88	2.3	0.01	5.9	5.3– 7.1
Flier	2	0.01	0.27	0.6	T	6.6	4.6– 8.6
Black crappie	103	0.35	13.81	34.8	0.12	7.7	4.3–11.6
White crappie	8	0.03	1.08	10.8	0.04	10.7	7.4–13.4
Chain pickerel	3	0.01	0.40	7.2	0.03	18.9	15.0–25.2
Total Sport	146	0.50	19.58	66.7	0.24	....	....
Alligator gar	6	0.02	0.81	30.3	0.10	26.2	21.0–28.0
Longnose gar	19	0.06	2.55	119.8	0.41	35.4	25.5–43.3
Shortnose gar	67	0.23	8.98	199.5	0.68	24.0	17.5–31.0
Spotted gar	1	T	0.13	2.0	0.01	23.6	....
Total Predatory	93	0.31	12.47	351.6	1.20	....	....
Gizzard shad	444	1.51	59.53	258.3	0.88	11.2	5.5–15.0
Total Forage	444	1.51	59.53	258.3	0.88	....	....
GRAND TOTAL	746	2.53	100.00	729.1	2.51	....	....

TABLE 73

Composition of Catch of One and One-half Inch Mesh Hoop Net With Cotton Twine and Steel Hoops In 360 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Bigmouth buffalo	1	T	0.32	1.6	T	11.8	....
Smallmouth buffalo	11	0.03	3.52	2.9	0.01	8.3	7.3–11.8
River carpsucker	26	0.07	8.34	14.0	0.04	9.9	7.9–13.8
Spotted sucker	2	0.01	0.64	4.2	0.01	14.7	12.2–17.1
Carp	1	T	0.32	0.4	T	8.9	....
Yellow bullhead	1	T	0.32	0.3	T	7.0	....
Channel catfish	5	0.01	1.60	7.7	0.02	16.2	13.3–22.7
Blue catfish	1	T	0.32	0.4	T	10.0	....
Freshwater drum	27	0.08	8.66	22.7	0.06	10.8	8.0–16.2
Total Sport	75	0.20	24.04	54.2	0.14	....	....
White bass	17	0.05	5.45	7.4	0.02	9.3	5.9–11.4
Warmouth	1	T	0.32	0.5	T	7.2	....
Redear sunfish	9	0.03	2.88	4.5	0.01	8.4	7.0– 9.3
Longear sunfish	2	0.01	0.64	0.3	T	5.3	5.0– 5.5
Bluegill	17	0.05	5.45	4.0	0.01	6.3	5.1– 8.0
Black crappie	61	0.17	19.55	27.1	0.08	8.5	6.2–12.2
White crappie	7	0.02	2.24	4.5	0.01	9.6	5.1–13.0
Chain pickerel	3	0.01	0.97	4.0	0.01	16.0	15.7–16.5
Total Sport	117	0.34	37.50	52.3	0.14	....	....
Alligator gar	3	0.01	0.97	14.0	0.04	26.1	22.7–29.2
Longnose gar	2	0.01	0.64	11.3	0.03	36.0	....
Shortnose gar	30	0.08	9.61	79.9	0.22	24.9	16.7–35.1
Spotted gar	2	0.01	0.64	7.3	0.02	26.6	23.6–29.5
Total Predatory	37	0.11	11.86	112.5	0.31	....	....
Gizzard shad	82	0.23	26.28	56.5	0.16	11.6	8.7–13.5
River herring	1	T	0.32	0.6	T	11.8	....
Total Forage	83	0.23	26.60	57.1	0.16	....	....
GRAND TOTAL	312	0.88	100.00	276.1	0.75	....	....

TABLE 74

Composition of Catch of Two Inch Mesh Hoop Net With Cotton Twine and Steel Hoops In 118 Net Days

Kind of Fish	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Smallmouth buffalo	4	0.03	5.33	13.4	0.11	17.0	15.0–18.7
River carpsucker	2	0.02	2.67	1.5	0.01	11.3	11.2–11.4
Carp	1	0.01	1.33	3.0	0.03	17.3	....
Blue catfish	11	0.11	14.67	38.0	0.32	18.4	14.0–26.0
Flathead catfish	2	0.02	2.67	8.7	0.07	20.9	20.8–21.0
Freshwater drum	21	0.18	28.00	47.5	0.40	14.3	10.0–17.0
Total Commercial	41	0.37	54.67	112.1	0.94	....	....
Bluegill	6	0.05	8.00	3.6	0.03	8.3	8.0– 8.5
Black crappie	6	0.05	8.00	4.3	0.04	12.3	9.5–13.3
Total Sport	12	0.10	16.00	7.9	0.07	....	....
Longnose gar	3	0.03	4.00	32.0	0.27	40.6	35.4–51.0
Shortnose gar	3	0.03	4.00	13.4	0.11	30.0	26.5–34.2
Total Predatory	6	0.06	8.00	45.4	0.38	....	....
Gizzard shad	16	0.14	21.33	14.8	0.13	12.4	11.0–13.6
Total Forage	16	0.14	21.33	14.8	0.13	....	....
Grand Total	75	0.67	100.00	180.2	1.52	....	....

TABLE 75

Composition of Catch of One Inch Mesh Hoop Net With Nylon Twine and Steel Hoops in 90 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Smallmouth buffalo	2	0.02	1.31	2.4	0.03	12.0	9.4–14.6
River carpsucker	6	0.07	3.92	6.1	0.07	10.6	8.7–13.4
Spotted sucker	1	0.01	0.65	3.5	0.04	18.1	....
Carp	4	0.04	2.62	3.2	0.03	10.2	8.3–14.2
Black bullhead	1	0.01	0.65	2.0	0.02	14.6	....
Yellow bullhead	1	0.01	0.65	1.2	0.01	12.2	....
Channel catfish	4	0.04	2.62	4.3	0.05	13.8	11.0–15.4
Flathead catfish	3	0.03	1.96	7.6	0.08	17.2	15.0–20.0
Freshwater drum	29	0.32	18.95	25.2	0.28	11.7	10.6–15.7
Total Commercial	51	0.55	33.33	55.5	0.61	....	....
White bass	5	0.06	3.27	3.9	0.04	10.9	9.8–13.4
Redear sunfish	1	0.01	0.65	0.8	0.01	10.2	....
Bluegill	21	0.23	13.73	4.5	0.05	6.2	5.5– 7.5
Black crappie	29	0.32	18.95	8.7	0.10	8.2	6.7–11.6
White crappie	1	0.01	0.65	1.2	0.01	12.6	....
Chain pickerel	3	0.03	1.96	7.0	0.08	18.5	15.0–22.5
Total Sport	60	0.66	39.21	26.1	0.29	....	....
Alligator gar	1	0.01	0.65	2.3	0.03	23.0	....
Longnose gar	4	0.04	2.62	25.8	0.29	37.5	35.4–43.3
Shortnose gar	17	0.19	11.11	43.0	0.48	22.9	19.3–25.6
Spotted gar	4	0.04	2.62	10.2	0.11	22.6	20.5–24.8
Bowfin	1	0.01	0.65	7.4	0.08	25.2	....
Total Predatory	27	0.29	17.65	88.7	0.99	....	....
Gizzard shad	15	0.17	9.81	11.3	0.13	12.2	5.0–15.7
Total Forage	15	0.17	9.81	11.3	0.13	....	....
GRAND TOTAL	153	1.67	100.00	181.6	2.02	....	....

TABLE 76

Composition of Catch of One and One-half Inch Mesh Hoop Net With Nylon Twine and Wooden Hoops In 202 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Bigmouth buffalo	2	0.01	1.04	1.7	0.01	12.8	11.4–14.2
Smallmouth buffalo	18	0.09	9.38	37.7	0.19	13.3	8.3–18.9
River carpsucker	20	0.10	10.42	15.4	0.08	11.8	9.4–13.0
Spotted sucker	2	0.01	1.04	4.6	0.02	14.8	13.4–16.1
Carp	2	0.01	1.04	7.5	0.04	18.1	....
Channel catfish	4	0.02	2.08	7.1	0.04	15.5	13.0–18.0
Blue catfish	3	0.01	1.56	7.4	0.04	17.5	15.7–20.0
Flathead catfish	3	0.01	1.56	8.7	0.04	17.6	16.5–20.9
Freshwater drum	20	0.10	10.42	20.5	0.10	11.8	9.2–15.7
Total Commercial	74	0.36	38.54	110.6	0.56	....	....
White bass	4	0.02	2.08	2.6	0.01	11.0	10.5–11.5
Warmouth	2	0.01	1.04	0.9	T	7.8	7.4– 8.2
Redear sunfish	3	0.01	1.56	1.5	0.01	8.7	8.4– 9.1
Bluegill	11	0.05	5.73	3.2	0.02	7.0	6.0– 8.1
Black crappie	28	0.14	14.58	14.5	0.07	9.5	8.3–10.2
White crappie	1	T	0.52	0.5	T	10.0	....
Total Sport	49	0.23	25.51	23.2	0.11	....	....
Alligator gar	4	0.02	2.08	14.7	0.07	24.5	23.0–27.0
Longnose gar	14	0.07	7.30	124.5	0.62	40.1	33.1–49.0
Shortnose gar	14	0.07	7.30	55.1	0.27	27.6	23.6–30.3
Total Predatory	32	0.16	16.68	194.3	0.96	....	....
Gizzard shad	37	0.18	19.27	32.2	0.16	12.6	10.2–14.6
Total Forage	37	0.18	19.27	32.2	0.16	....	....
GRAND TOTAL	192	0.93	100.00	360.3	1.79	....	....

TABLE 77

Composition of Catch of One and One-half Inch Mesh Hoop Net With Nylon Twine and Steel Hoops In 581 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Bigmouth buffalo	8	0.01	1.32	5.4	0.01	10.2	9.4–11.2
Smallmouth buffalo	7	0.01	1.16	13.3	0.02	13.1	9.3–18.9
Black buffalo	2	T	0.33	2.2	T	12.1	10.4–13.8
River carpsucker	16	0.03	2.66	13.1	0.02	11.0	9.1–14.2
Spotted sucker	4	0.01	0.66	6.7	0.01	14.8	9.8–19.7
Carp	4	0.01	0.66	13.7	0.02	17.0	9.8–20.0
Channel catfish	4	0.01	0.66	7.3	0.01	15.9	14.0–18.1
Blue catfish	2	T	0.33	2.2	T	14.7	14.0–15.4
Flathead catfish	8	0.01	1.32	29.1	0.05	17.8	13.0–27.6
Freshwater drum	71	0.12	11.78	72.7	0.13	11.6	6.0–17.0
Total Commercial	126	0.21	20.88	165.7	0.27	....	....
White bass	13	0.02	2.15	10.3	0.02	11.5	7.0–13.4
Spotted bass	1	T	0.17	0.9	T	11.2	....
Warmouth	3	0.01	0.50	1.4	T	8.1	8.0– 8.3
Redear sunfish	6	0.01	1.00	2.3	T	8.5	7.1–11.4
Bluegill	53	0.09	8.79	18.5	0.03	7.5	4.7– 8.8
Black crappie	123	0.21	20.40	84.7	0.15	10.1	6.3–15.0
White crappie	7	0.01	1.16	3.8	0.01	10.2	9.3–12.0
Chain pickerel	9	0.02	1.49	21.3	0.04	21.8	19.3–25.2
Total Sport	215	0.37	33.66	143.2	0.25	....	....
Alligator gar	5	0.01	0.83	19.8	0.03	24.9	23.6–25.8
Longnose gar	21	0.04	3.48	156.1	0.27	39.9	29.9–46.0
Shortnose gar	74	0.13	12.28	264.9	0.46	27.2	15.7–31.9
Spotted gar	6	0.01	1.00	16.2	0.03	24.0	22.5–26.0
Bowfin	6	0.01	1.00	22.7	0.04	19.6	18.0–26.0
Total Predatory	112	0.20	18.59	479.7	0.83	....	....
Gizzard shad	150	0.26	24.87	115.5	0.19	12.3	7.0–15.4
Total Forage	150	0.26	24.87	111.5	0.19	....	....
GRAND TOTAL	603	1.04	100.00	900.1	1.54	....	....

TABLE 78

Composition of Catch of Two Inch Mesh Hoop Net With Nylon Twine and Steel Hoops In 278 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Bigmouth buffalo	1	T	1.12	2.8	0.01	16.1	....
Smallmouth buffalo	6	0.02	6.74	10.8	0.04	14.1	12.0–15.0
Black buffalo	2	0.01	2.25	2.5	0.01	12.0	11.8–12.2
River carpsucker	5	0.02	5.63	8.4	0.03	14.2	13.0–15.6
Spotted sucker	1	T	1.12	1.3	T	12.6	....
Carp	2	0.01	2.25	3.6	0.01	13.4	10.6–16.1
Blue catfish	1	T	1.12	0.4	T	11.0	....
Channel catfish	1	T	1.12	3.7	0.01	20.0	....
Flathead catfish	2	0.01	2.25	8.7	0.03	20.4	17.3–23.6
Freshwater drum	10	0.04	11.24	12.9	0.05	13.9	9.7–18.5
Total Commercial	31	0.11	34.84	55.1	0.19	....	....
White bass	2	0.01	2.25	3.6	0.01	15.1	14.2–16.0
Bluegill	1	T	1.12	0.4	T	7.9	....
Black crappie	17	0.06	19.10	15.9	0.06	11.3	7.5–13.8
White crappie	2	0.01	2.25	3.2	0.01	13.2	13.0–13.4
Total Sport	22	0.08	24.72	23.1	0.08	....	....
Longnose gar	12	0.04	13.48	84.0	0.30	37.8	33.7–45.7
Shortnose gar	6	0.02	6.74	28.8	0.10	29.3	26.5–31.5
Total Predatory	18	0.06	20.22	112.8	0.40	....	....
Gizzard shad	18	0.06	20.22	17.6	0.06	13.4	11.8–15.8
Total Forage	18	0.06	20.22	17.6	0.06	....	....
GRAND TOTAL	89	0.31	100.00	208.6	0.73	....	....

TABLE 79

Composition of Catch of Two Inch Mesh Hoop Net With Nylon Twine and Wooden Hoops In 180 Net Days

Kind of Fish	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Bigmouth buffalo	2	0.01	1.56	2.6	0.01	12.3	11.5–13.0
Smallmouth buffalo	5	0.03	3.91	14.5	0.08	15.1	12.6–21.7
Black buffalo	1	0.01	0.78	1.7	0.01	13.8	....
River carpsucker	1	0.01	0.78	2.6	0.01	15.0	....
Carp	2	0.01	1.56	5.7	0.03	14.9	....
Blue catfish	5	0.03	3.91	24.0	0.13	21.6	19.7–22.7
Channel catfish	1	0.01	0.78	3.5	0.02	19.7	....
Flathead catfish	4	0.02	3.13	13.1	0.07	17.3	14.2–18.3
Freshwater drum	10	0.06	7.81	20.6	0.11	14.5	8.3–17.7
Total Commercial	31	0.19	24.22	88.3	0.47	....	....
White bass	1	0.01	0.78	1.3	0.01	13.4	....
Spotted bass	1	0.01	0.78	2.0	0.01	14.0	....
Black crappie	7	0.04	5.47	8.5	0.05	11.9	11.0–13.0
White crappie	1	0.01	0.78	1.4	0.01	13.2	....
Total Sport	10	0.07	7.81	13.2	0.08	....	....
Alligator gar	2	0.01	1.56	48.2	0.27	39.5	27.0–52.0
Longnose gar	28	0.16	21.88	263.6	1.46	40.6	35.4–54.0
Shortnose gar	5	0.03	3.91	23.4	0.13	30.8	26.5–31.9
Bowfin	1	0.01	0.78	3.8	0.02	20.5	....
Total Predatory	36	0.21	28.13	339.0	1.88	....	....
Gizzard shad	51	0.28	39.84	50.6	0.28	13.2	11.8–17.3
Total Forage	51	0.28	39.84	50.6	0.28	....	....
GRAND TOTAL	128	0.75	100.00	491.1	2.71	....	....

TABLE 80

Composition of Catch of Two and One-half Inch Mesh Hoop Net With Nylon Twine and Wooden Hoops in 61 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Smallmouth buffalo	63	0.10	46.67	262.2	0.43	17.0	14.0–25.5
Black buffalo	1	T	0.74	4.5	0.01	17.5	....
Carp	3	T	2.22	11.5	0.02	17.3	....
Blue catfish	1	T	0.74	4.8	0.01	21.0	....
Flathead catfish	5	0.01	3.71	40.6	0.07	24.7	....
Freshwater drum	28	0.05	20.74	9.13	0.15	16.3	14.0–25.
Total Commercial	101	0.16	74.82	414.9	0.69	....	....
White crappie	1	T	0.74	2.1	T	14.0	....
Total Sport	1	T	0.74	2.1	T	....	....
Alligator gar	1	T	0.74	47.0	0.08	33.0	....
Longnose gar	29	0.05	21.48	396.5	0.64	46.1	....
Total Predatory	30	0.05	22.22	443.5	0.72	....	....
Gizzard shad	3	T	2.22	5.4	0.01	15.1	....
Total Forage	3	T	2.22	5.4	0.01	....	....
GRAND TOTAL	135	0.21	100.00	865.9	1.42	....	....

TABLE 81

Composition of Catch of Two and One-half Inch Mesh Hoop Net With Nylon Twine and Steel Hoops In 348 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Smallmouth buffalo	37	0.11	50.68	221.3	0.64	18.5	15.0–32.0
Black buffalo	1	T	1.37	4.1	0.01	18.0	....
Blue sucker	1	T	1.37	6.2	0.02	24.4	....
Carp	3	0.01	4.11	14.3	0.04	19.2	....
Freshwater drum	17	0.05	23.29	50.4	0.14	16.0	14.5–18.0
Total Commercial	59	0.17	80.82	296.3	0.85	....	....
Alligator gar	2	0.01	2.74	51.5	0.15	41.8	....
Longnose gar	11	0.03	15.07	127.5	0.37	43.1	....
Bowfin	1	T	1.37	7.6	0.02	21.3	....
Total Predatory	14	0.04	19.18	186.6	0.54	....	....
GRAND TOTAL	73	0.21	100.00	482.9	1.39	....	....

TABLE 82

Composition of Catch of One Inch Mesh Wire Net In 805 Net Days

KIND OF FISH	Number Caught	Number/ Net Day	Percent of Total No.	Pounds Caught	Pounds/ Net Day	Mean Length	Range In Length
Smallmouth buffalo	11	0.01	0.44	2.3	T	6.7	5.5– 9.0
River carpsucker	2	T	0.08	1.0	T	11.4	9.5–13.5
Carp	3	T	0.12	1.3	T	9.2	....
Lake chubsucker	1	T	0.04	0.5	T	10.2	....
Black bullhead	13	0.02	0.52	6.4	0.01	9.6	....
Yellow bullhead	3	T	0.12	2.7	T	10.4	....
Channel catfish	7	0.01	0.28	2.9	T	10.4	8.0–16.0
Flathead catfish	15	0.02	0.60	23.3	0.03	14.7	....
Freshwater drum	46	0.06	1.86	13.8	0.02	8.2	4.5–12.0
Total Commercial	101	0.12	4.06	54.2	0.06	....	....
White bass	7	0.01	0.28	1.7	T	8.7	....
Spotted bass	1	T	0.04	0.8	T	11.0	....
Largemouth bass	1	T	0.04	2.0	T	14.5	....
Warmouth	33	0.04	1.33	8.4	0.01	6.5	....
Redear sunfish	79	0.10	3.17	23.9	0.03	7.3	....
Longear sunfish	42	0.05	1.69	4.4	0.01	4.8	....
Orangespotted sunfish	3	T	0.12	0.4	T	4.7	....
Spotted sunfish	2	T	0.08	0.3	T	5.1	....
Green sunfish	3	T	0.12	0.6	T	6.5	....
Bluegill	568	0.71	22.81	92.7	0.12	5.7	3.5– 8.5
Flier	355	0.44	14.26	32.3	0.04	5.	....
Black crappie	949	1.18	38.11	107.4	0.13	5.3	4.0–13.5
White crappie	3	T	0.12	1.4	T	8.4	5.0–11.5
Chain pickerel	28	0.03	1.12	27.6	0.03	13.6	....
Total Sport	2,074	2.56	85.29	303.9	0.37	....	....
Alligator gar	3	T	0.12	6.4	0.01	26.7	....
Longnose gar	7	0.01	0.28	23.6	0.03	27.9	....
Shortnose gar	241	0.30	9.68	294.3	0.37	19.6	....
Spotted gar	12	0.01	0.48	32.6	0.04	23.9	....
Bowfin	10	0.01	0.40	25.0	0.03	17.0	....
Total Predatory	273	0.33	10.96	381.9	0.48	....	....
Gizzard shad	42	0.05	1.69	12.9	0.02	10.7	....
Total Forage	42	0.05	1.69	12.9	0.02	....	....
GRAND TOTAL	2,490	3.06	100.00	752.9	0.93	....	....

TABLE 83

Fish Populations of Bayou Courtableau Cut-Off In August, 1954*

KIND OF FISH	Pounds/ Acre	Percent of Total Lbs.
Buffalo fishes	31.4	8.50
Channel catfish	1.1	0.30
Blue catfish	5.2	1.41
Freshwater drum	16.9	4.58
Total Commercial	54.6	14.79
White bass	1.0	0.27
Largemouth bass	6.8	1.84
Warmouth	0.7	0.19
Redear sunfish	0.1	0.03
Longear sunfish	0.1	0.03
Spotted sunfish	0.4	0.10
Bluegill	4.5	1.22
Black crappie	2.0	0.55
Total Sport	15.6	4.23
Alligator gar	3.2	0.86
Shortnose gar	14.0	3.80
Spotted gar	202.9	54.97
Bowfin	6.8	1.84
Total Predatory	226.9	61.47
Gizzard shad	72.0	19.51
Total Forage	72.0	19.51
GRAND TOTAL	369.1	100.00

*Average of 2 one-acre samples by Victor Lambou.

TABLE 84

Fish Populations of Old River (Raccourci Lake) In August, 1955*

Kind of Fish	Pounds/ Acre	Percent of Total Lbs.
Buffalo fishes	2.5	0.46
Suckers	9.6	1.80
Channel catfish	50.1	9.39
Freshwater drum	73.3	13.74
Total Commercial	135.5	25.39
Yellow bass	7.9	1.48
Largemouth bass	38.1	7.14
Warmouth	0.6	0.11
Redear sunfish	21.3	3.99
Longear sunfish	0.1	0.02
Spotted sunfish	0.2	0.04
Orangespotted sunfish	2.0	0.37
Bluegill	33.5	6.28
Black crappie	2.0	0.37
Total Sport	105.7	19.80
Longnose gar	1.9	0.36
Shortnose gar	1.9	0.36
Spotted gar	12.5	2.35
Total Predatory	16.3	3.07
Gizzard shad	261.1	48.93
Threadfin shad	11.8	2.21
River herring	0.2	0.04
Stripped mullet	0.3	0.05
American eel	0.8	0.15
Miscellaneous fishes	1.9	0.36
Total Forage	276.1	51.74
GRAND TOTAL	533.6	100.00

*Average 3 one-acre samples by Victor Lambou.

TABLE 85

Fish Populations of Colyell Bay in July, 1954*

KIND OF FISH	Pounds/ Acre	Percent of Total Lbs.
Paddlefish	9.4	7.50
Buffalo fishes	13.2	10.53
Suckers	1.6	1.26
Black bullhead	1.1	0.88
Yellow bullhead	3.2	2.55
Channel catfish	27.8	22.19
Blue catfish	1.6	1.27
Flathead catfish	4.9	3.91
Freshwater drum	8.0	6.39
Total Commercial	70.8	56.50
Largemouth bass	7.6	6.06
Warmouth	12.4	9.90
Redear sunfish	0.7	0.56
potted sunfish	0.2	0.16
Bluegill	4.6	3.67
Black crappie	0.7	0.56
White crappie	6.7	5.35
Total Sport	32.9	26.26
potted gar	18.0	14.36
Bowfin	0.4	0.32
Total Predatory	18.4	14.68
Gizzard shad	0.9	0.72
River herring	0.3	0.24
tripped mullet	0.7	0.56
American eel	1.3	1.04
Total Forage	3.2	2.56
GRAND TOTAL	125.3	100.00

*Average of two 1-acre samples by Victor Lambou.

TABLE 86

Fish Populations of Chicot Lake in September, 1954*

Kind of Fish	Pounds/ Acre	Percent of Total Lbs.
Lake chubsucker	0.4	0.3
Black bullhead	0.6	0.4
Yellow bullhead	1.2	0.8
Blue catfish	0.3	0.2
Total Commercial	2.5	1.7
Largemouth bass	16.2	11.1
Warmouth	6.5	4.4
Redear sunfish	4.4	3.0
Longear sunfish	0.2	0.1
Spotted sunfish	0.2	0.1
Bluegill	33.0	22.6
Black crappie	11.7	8.0
White crappie	3.0	2.1
Total Sport	75.2	51.4
Spotted gar	2.3	1.6
Bowfin	2.1	1.4
Total Predatory	4.4	3.0
Gizzard shad	62.5	42.7
American eel	0.1	0.1
Miscellaneous forage	1.5	1.0
Total Forage	64.1	43.8
GRAND TOTAL	146.2	99.9

*Average of two 1-acre rotenone samples by Victor Lambou.

TABLE 87

Fish Populations of White Lake in September, 1955*

KIND OF FISH	Pounds/ Acre	Percent of Total Lbs.	General Size	
Smallmouth buffalo	2.8	4.3	83.3%	0–10″
Channel catfish	5.2	8.0	100.0%	10″+
Freshwater drum	7.0	10.7	100.0%	0–10″
Total Commercial	15.0	23.0	....	....
Largemouth bass	2.0	3.1	100.0%	10″+
Orangespotted sunfish	0.1	0.2	100.0%	0– 5″
Bluegill	1.6	2.4	92.0%	0– 5″
Black crappie	16.0	24.5	82.4%	5″+
White crappie	0.4	0.6	100.0%	5″+
Total Sport	20.1	30.8	....	....
Shortnose gar	6.0	9.2	100.0%	20″+
Total Predatory	6.0	9.2	....	....
Gizzard shad	24.2	37.0	67.0%	10″+
Total Forage	24.2	37.0	....	....
GRAND TOTAL	65.3	100.0	....	....

*One 1-acre sample by project personnel.

TABLE 88

Fish Populations of Bayou D'arbonne in November, 1956*

Kind of Fish	Pounds/ Acre	Percent of Total Lbs.	General Size	
Spotted bass	5.6	73.8	72.2%	0–10″
Largemouth bass	1.2	15.8	100.0%	10″+
Warmouth	0.1	1.3	100.0%	0– 5″
Longear sunfish	0.2	2.6	100.0%	0– 5″
Spotted sunfish	0.1	1.3	100.0%	0– 5″
Green sunfish	0.1	1.3	100.0%	0– 5″
Bluegill	0.2	2.6	100.0%	0– 5″
Total Sport	7.5	98.7	....	....
Madtom	0.1	1.3	100.0%	0– 5″
Total Forage	0.1	1.3	....	....
GRAND TOTAL	7.6	100.0	....	....

*One 1-acre sample by project personnel.

TABLE 89

Fish Populations of Caddo Lake In August, September, and October, 1957*

KIND OF FISH	Pounds/ Acre	Percent of Total Lbs.	General Size	
mallmouth buffalo	0.3	0.4	100.0%	5-16″
iver carpsucker	0.5	0.7	100.0%	5-16″
ellow bullhead	0.2	0.3	100.0%	5″+
hannel catfish	6.2	9.0	55.4%	5-14″
lue catfish	0.1	0.1	100.0%	5-14″
lathead catfish	0.2	0.3	87.5%	14″+
reshwater drum	17.6	25.7	77.5%	10″+
Total Commercial	25.1	36.5	....	....
hite bass	0.2	0.3	100.0%	7″+
ellow bass	6.6	9.6	73.0%	10″+
argemouth bass	1.7	2.5	72.6%	10″+
armouth	0.7	1.0	84.4%	5″+
edear sunfish	5.3	7.7	88.7%	5″+
ongear sunfish	0.2	0.3	100.0%	0- 5″
potted sunfish	0.1	0.1	100.0%	0- 5″
luegill	1.7	2.5	52.9%	0- 5″
lack crappie	0.3	0.4	82.4%	7″+
hite crappie	1.8	2.6	83.3%	7″+
Total Sport	18.6	27.0	....	....
ongnose gar	6.2	9.0	94.5%	20″+
potted gar	0.5	0.7	100.0%	20″+
Total Predatory	6.7	9.7	....	....
izzard shad	17.6	25.7	72.6%	10″+
hreadfin shad	0.6	0.9	100.0%	0- 5″
Total Forage	18.2	26.6	....	....
GRAND TOTAL	68.6	99.8	....	....

*Average of five 1-acre rotenone samples by D. W. Geagan.

TABLE 90

Fish Populations of Black Bayou Lake, (Caddo Parish) In August, 1957*

KIND OF FISH	Pounds/ Acre	Percent of Total Lbs.	General Size	
Lake chubsucker	0.2	0.2	100.0%	5″+
Yellow bullhead	0.1	0.1	100.0%	5″+
Total Commercial	0.3	0.3	....	......
Largemouth bass	0.9	1.0	71.1%	10″+
Warmouth	1.1	1.2	56.4%	5″+
Redear sunfish	9.8	11.4	98.4%	5″+
Bluegill	6.7	7.8	72.8%	5″+
Black crappie	1.8	2.1	95.5%	7″+
Chain pickerel	1.7	2.0	95.1%	0– 5″
Total Sport	22.0	25.5	....	......
Spotted gar	0.1	0.1	100.0%	5–20″
Total Predatory	0.1	0.1	....	......
Gizzard shad	63.3	73.8	60.2%	10″+
Total Forage	63.3	73.8	....	......
GRAND TOTAL	85.7	99.7	....	......

*Average of five 1-acre rotenone samples by D. W. Geagan.

TABLE 91

Fish Populations of Bayou DeSiard In August, 1957*

KIND OF FISH	Pounds/ Acre	Percent of Total Lbs.	General Size	
gmouth buffalo	19.4	6.73	100.00%	20″+
hannel catfish	3.6	1.25	88.89%	10″+
Total Commercial	23.0	7.98	....	....
rgemouth bass	7.1	2.47	100.00%	10″+
armouth	0.5	0.17	83.33%	0– 5″
edear sunfish	1.5	0.52	75.00%	0– 5″
angespotted sunfish	2.7	0.94	100.00%	0– 5″
uegill	14.5	5.03	90.00%	0– 5″
ack crappie	0.3	0.10	100.00%	0– 5″
Total Sport	26.6	9.22	....	....
otted gar	0.4	0.14	100.00%	10″+
Total Predatory	0.4	0.14	....	....
zzard shad	238.1	82.66	81.58%	0–10″
Total Forage	238.1	82.66	....	....
GRAND TOTAL	288.1	100.00	....	....

*Average of five 1-acre rotenone samples by project personnel.

TABLE 92

Fish Populations of Davis Lake In July, 1957*

KIND OF FISH	Pounds/ Acre	Percent of Total Lbs.	General Size	
Spotted bass	1.3	1.4	97.4%	10″
Largemouth bass	18.0	19.0	85.6%	10″+
Warmouth	1.0	1.1	54.8%	5″+
Redear sunfish	9.7	10.2	57.7%	0- 5″
Longear sunfish	3.7	3.9	93.6%	0- 5″
Spotted sunfish	0.4	0.4	100.0%	0- 5″
Orangespotted sunfish	0.2	0.2	100.0%	0- 5″
Bluegill	14.9	15.7	53.1%	0- 5″
Total Sport	49.2	51.9	....	.....
Longnose gar	11.2	11.8	100.0%	20″+
Total Predatory	11.2	11.8	....	.....
Gizzard shad	32.5	33.9	82.6%	10″+
Threadfin shad	2.3	2.4	100.0%	0- 5″
Total Forage	34.8	36.3	....	.....
GRAND TOTAL	95.2	100.0	....	.....

*Average of three 1-acre rotenone samples by D. W. Geagan.

TABLE 93

Fish Populations of Lake Bruin In September, 1956*

KIND OF FISH	Pounds/ Acre	Percent of Total Lbs.	General Size	
arp	4.22	6.44	98.81%	16″+
ellow bullhead	0.01	0.02	100.00%	0- 5″
hannel catfish	8.83	13.47	82.67%	5-14″
reshwater drum	1.00	1.53	100.00%	12″+
Total Commercial	14.06	21.46	....	....
ellow bass	11.22	17.12	75.13%	5- 7″
potted bass	0.75	1.14	89.34%	10″+
argemouth bass	3.02	4.61	77.15%	10″+
edear sunfish	5.4$	8.25	50.28%	0- 5″
ongear sunfish	1.80	2.75	100.00%	0- 5″
rangespotted sunfish	0.06	0.09	100.00%	0- 5″
luegill	1.87	2.85	57.22%	0- 5″
lack crappie	0.09	0.14	100.00%	7″+
Total Sport	24.22	36.95	....	....
izzard shad	22.02	33.60	80.10%	5-10″
hreadfin shad	5.24	7.99	100.00%	0- 5″
Total Forage	27.26	41.59	....	....
GRAND TOTAL	65.54	100.00%	....	....

*Average of three 1-acre rotenone samples taken by D. W. Geagan.

TABLE 94

Fish Populations of Lake Providence In August, 1958*

KIND OF FISH	Pounds/ Acre	Percent of Total Lbs.	General Size	
Bigmouth buffalo	1.2	0.4	91.9%	16″+
Carp	5.9	2.0	100.0%	16″+
Yellow bullhead	0.9	0.3	100.0%	0– 5″
Channel catfish	15.2	5.0	73.0%	5–14″
Blue catfish	2.2	0.7	60.0%	5–14″
Drum	21.7	7.2	94.3%	12″+
Total Commercial	47.1	15.6	....	....
Yellow bass	0.9	0.3	100.0%	7″+
Largemouth bass	14.9	4.9	96.2%	10″+
Warmouth	1.1	0.4	64.7%	5″+
Redear sunfish	4.1	1.4	84.8%	5″+
Longear sunfish	14.0	4.6	94.0%	0– 5″
Green sunfish	0.5	0.2	50.0%	5″+
Spotted sunfish	0.3	0.1	66.6%	5″+
Orangespotted sunfish	T	T	100.0%	0– 5″
Bluegill	16.4	5.4	56.0%	5″+
Black crappie	0.1	T	100.0%	7″+
Total Sport	52.3	17.3	....	....
Longnose gar	24.8	8.2	100.0%	20″+
Spotted gar	3.2	1.3	100.0%	20″+
Bowfin	1.9	0.6	100.0%	20″+
Total Predatory	30.5	10.1	....	....
Gizzard shad	85.5	28.3	64.1%	5–10″
Threadfin shad	86.5	28.7	100.0%	0– 5″
Total Forage	172.0	57.0	....	....
GRAND TOTAL	301.9	100.0	....	....

*Average of three 1-acre rotenone samples by D. W. Geagan.

TABLE 95

Fish Populations of Bartholomew Lake In August, 1955*

KIND OF FISH	Pounds/ Acre	Percent of Total Lbs.	General Size	
Bigmouth buffalo	26.70	3.06	100.00%	16″+
Flathead catfish	2.33	0.27	100.00%	14″+
Total Commercial	29.03	3.33	....	....
Largemouth bass	11.87	1.36	92.24%	10″+
Warmouth	2.18	0.25	80.65%	0- 5″
Redear sunfish	3.72	0.43	75.00%	0- 5″
Longear sunfish	0.12	0.01	100.00%	0- 5″
Bluegill	15.60	1.79	79.2 %	0- 5″
Black crappie	1.35	0.15	97.57%	7″+
White crappie	0.65	0.07	100.00%	7″+
Total Sport	35.49	4.06	....	....
Longnose gar	23.16	2.65	100.00%	20″+
Shortnose gar	4.03	0.46	100.00%	20″+
Spotted gar	5.00	0.57	100.00%	20″+
Total Predatory	32.19	3.68	....	....
Gizzard shad	342.03	39.15	98.09%	5-10″
Threadfin shad	434.90	49.78	99.77%	0- 5″
Miscellaneous	0.05	T	100.00%	0- 5″
Total Forage	776.98	88.93	....	....
GRAND TOTAL	873.69	100.00	....	....

*Average of three 1-acre rotenone samples by D. W. Geagan.

TABLE 96

Fish Populatons of Caddo Lake In August and September, 1956*

Kind of Fish	Pounds/ Acre	Percent of Total Lbs.	General Size	
Lake chubsucker	0.12	0.16	100.00%	5″+
Black bullhead	0.15	0.20	100.00%	5″+
Yellow bullhead	0.02	0.03	100.00%	0– 5″
Channel catfish	4.19	5.47	68.26%	5–14″
Flathead catfish	0.04	0.05	100.00%	5–14″
Freshwater drum	20.87	27.26	66.32%	12″+
Total Commercial	25.39	33.17	....	....
White bass	0.22	0.29	100.00%	7″+
Yellow bass	3.98	5.20	86.68%	5″+
Largemouth bass	1.20	1.57	65.83%	10″+
Warmouth	0.38	0.50	68.42%	0– 5″
Redear sunfish	3.67	4.79	70.30%	5″+
Longear sunfish	0.16	0.21	100.00%	0– 5″
Spotted sunfish	0.22	0.29	100.00%	0– 5″
Orangespotted sunfish	0.20	0.26	100.00%	0– 5″
Green sunfish	0.07	0.09	71.43%	0– 5″
Bluegill	0.99	1.29	84.85%	0– 5″
Black crappie	0.49	0.64	85.71%	7″+
White crappie	0.79	1.03	73.42%	7″+
Chain pickerel	0.57	0.74	100.00%	5″+
Total Sport	12.94	16.90	....	....
Longnose gar	10.37	13.54	100.00%	20″+
Total Predatory	10.37	13.54	....	....
Gizzard shad	27.21	35.54	74.31%	10″+
Threadfin shad	0.25	0.33	100.00%	0– 5″
Miscellaneous	0.40	0.52	100.00%	0– 5″
Total Forage	27.86	36.39	....	....
Grand Total	76.56	100.00	....	....

*Average of six 1-acre rotenone samples by Don W. Geagan.

TABLE 97

Fish Populations of Lake Bruin In July, 1957*

KIND OF FISH	Pounds/ Acre	Percent of Total Lbs.	General Size	
Carp	3.63	2.74	100.0%	5-16″
Channel catfish	10.63	8.03	62.5%	14″+
Blue catfish	0.60	0.45	100.0%	14″+
Total Commercial	14.86	11.22	....	....
Yellow bass	5.43	4.10	79.6%	5- 7″
Spotted bass	0.13	0.10	100.0%	5-10″
Largemouth bass	6.13	4.63	82.7%	10″+
Warmouth	1.83	1.38	100.0%	5″+
Redear sunfish	16.85	12.72	77.8%	0- 5″
Longear sunfish	2.70	2.04	100.0%	0- 5″
Bluegill	8.83	6.67	87.7%	5″+
Black crappie	0.03	0.02	100.0%	0- 5″
Total Sport	41.93	31.66	....	....
Gizzard shad	68.57	51.76	59.0%	5-10″
Threadfin shad	7.10	5.36	100.0%	0- 5″
Total Forage	75.67	57.12	....	....
GRAND TOTAL	132.46	100.00	....	....

*Average of three 1-acre retenone samples by D. W. Geagan.

TABLE 98

Catch of Twelve Species of Fish in 1.0 Inch Mesh Trammel Nets With 20/6 and 20/9 Cotton For Inner Wall

Kind of Fish	20/6 Cotton 100 net days				20/9 Cotton 102 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	32	0.32	9.6	3.71	4	0.04	8.3	0.48	22.34†	10	1.357
White crappie.....	4	0.04	6.6	1.86	2	0.02	6.1	0.20	0.63	2	0.378
Black crappie.....	39	0.39	6.5	1.48	39	0.38	7.0	2.95	0.01	38	0.519
Bluegill..........	58	0.58	5.1	0.82	22	0.22	4.8	0.45	15.49†	35	1.194
Yellow bass.......	29	0.29	8.3	1.36	12	0.12	7.4	1.73	7.39†	18	1.180
Channel catfish....	86	0.86	9.9	1.79	20	0.20	10.1	1.59	42.43†	40	0.265
Freshwater drum..	..	....	....	....	..	....	....	....	.....	..	.....
Bigmouth buffalo..	..	....	....	....	..	....	....	....	.....	..	.....
Smallmouth buffalo	..	....	....	....	..	....	....	....	.....	..	.....
River carpsucker..	2	0.02	8.0	1.74	..	....	....	....	2.04	..	.....
Gizzard shad......	77	0.77	7.4	....	14	0.14	10.4	....	44.90†	..	.....
Spotted gar.......	15	0.15	25.2	....	9	0.09	20.2	....	1.62	..	.....

TABLE 99

Catch of Twelve Species of Fish in 1.0 Inch Mesh Trammel Nets With 20/6 and 20/12 Cotton For Inner Wall

Kind of Fish	20/6 Cotton 100 net days				20/12 Cotton 100 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	32	0.32	9.6	3.71	4	0.04	7.9	....	21.78†	10	1.833
White crappie.....	4	0.04	6.6	1.86	1	0.01	5.9	....	1.80	1	0.532
Black crappie.....	39	0.39	6.5	1.48	42	0.42	7.0	2.05	0.11	39	0.737
Bluegill..........	58	0.58	5.1	0.82	13	0.13	5.1	1.10	5.08†	26	.....
Yellow bass.......	29	0.29	8.3	1.36	28	0.28	7.6	1.01	0.02	27	1.230
Channel catfish....	86	0.86	9.9	1.79	4	0.04	12.5	1.54	74.77†	18	2.140
Freshwater drum..	..	....	....	....	..	....	....	....	.....	..	.....
Bigmouth buffalo..	..	....	....	....	..	....	....	....	.....	..	.....
Smallmouth buffalo	..	....	....	....	..	....	....	....	.....	..	.....
River carpsucker..	2	0.02	8.0	1.74	..	....	....	....	.....	..	.....
Gizzard shad......	77	0.77	7.4	....	2	0.02	11.0	....	71.20†	..	.....
Spotted gar.......	15	0.15	25.2	....	4	0.04	26.0	....	6.37†	..	.....

TABLE 100

Catch of Twelve Species of Fish in 1.0 Inch Mesh Trammel Nets With 69 Bonded Nylon and 20/6 Cotton For Inner Wall

Kind of Fish	69 Nylon 121 net days				20/6 Cotton 100 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass	113	0.93	11.0	4.31	32	0.32	9.6	3.71	31.45†	59	1.246
White crappie	188	1.55	8.4	2.50	4	0.04	6.6	1.86	144.29†	26	1.282
Black crappie	579	4.78	8.4	2.32	39	0.39	6.5	1.48	378.21†	149	3.958*
Bluegill	801	6.63	5.9	1.02	58	0.58	5.1	0.82	497.74†	215	3.687*
Yellow bass	452	3.73	9.4	1.19	29	0.29	8.3	1.36	298.69†	113	2.552*
Channel catfish	687	5.68	11.8	2.35	86	0.86	9.9	1.79	363.33†	252	3.110*
Freshwater drum	52	0.43	10.1	4.55	..	....	....	....	42.98†	...	.....
Bigmouth buffalo	3	0.02	19.6	2.56	..	....	....	....	2.49	...	.....
Smallmouth buffalo	11	0.09	10.8	4.48	..	....	....	....	9.10†	...	.....
River carpsucker	26	0.21	16.0	2.99	2	0.02	8.0	1.74	16.41†	6	8.505
Gizzard shad	1953	12.01	9.1	....	77	0.77	7.4	....	998.87†	...	.....
Spotted gar	94	0.78	24.5	....	15	0.15	25.2	....	43.62†	...	.....

TABLE 101

Catch of Twelve Species of Fish in 1.0 and 1.5 Inch Mesh Trammel Nets With 20/6 Cotton For Inner Wall

Kind of Fish	1 inch 100 net days				1.5 inch 82 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass	32	0.32	9.6	3.71	8	0.10	12.5	3.28	10.14†	15	1.952
White crappie	4	0.04	6.6	1.86	16	0.20	9.2	1.87	9.87†	7	1.766
Black crappie	39	0.39	6.5	1.48	62	0.76	9.5	2.06	10.89†	48	4.823*
Bluegill	58	0.58	5.1	0.82	142	1.73	7.4	0.92	52.39†	90	8.880*
Yellow bass	29	0.29	8.3	1.36	38	0.46	10.9	0.96	3.69	32	5.010*
Channel catfish	86	0.86	9.9	1.79	56	0.68	13.7	2.48	1.81	68	4.774*
Freshwater drum	..	....	....	....	1	0.01	10.6	....	1.21	..	.....
Bigmouth buffalo	..	....	....	....	...	....	....	....	.....	..	.....
Smallmouth buffalo	..	....	....	....	2	0.02	2.0	....	2.44	..	.....
River carpsucker	2	0.02	8.0	1.74	3	0.04	14.8	1.43	0.45	1	7.448
Gizzard shad	77	0.77	7.4	....	140	1.71	11.4	....	33.27†	..	.....
Spotted gar	15	0.15	25.2	....	29	0.35	24.2	....	7.75†	..	.....

TABLE 102

Catch of Twelve Species of Fish in 1.5 Inch Mesh Trammel Nets With 20/6 and 20/9 Cotton For Inner Wall

	20/6 Cotton 82 net days				20/9 Cotton 101 net days				Comparison		
KIND OF FISH	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	8	0.10	12.5	3.28	11	0.11	12.4	3.61	0.06	8	0.061
White crappie.....	16	0.20	9.2	1.87	4	0.04	9.7	1.46	10.02†	7	0.467
Black crappie.....	62	0.76	9.5	2.06	46	0.45	8.7	1.14	6.94†	52	1.351
Bluegill..........	142	1.73	7.4	0.92	31	0.31	7.0	1.00	97.18†	65	1.242
Yellow bass.......	38	0.46	10.9	0.96	60	0.59	9.5	0.91	1.44	47	3.398†
Channel catfish....	56	0.68	13.7	2.48	11	0.17	12.9	2.25	32.30†	23	0.869
Freshwater drum..	1	0.01	10.6	....	2	0.02	16.7	5.90	0.16	..	.....
Bigmouth buffalo..	...	....	....	....	..	....	....	....	.....	..	.....
Smallmouth buffalo	2	0.02	24.0	2.00	2	0.02	7.9	....	0.04	1	11.386
River carpsucker..	3	0.04	14.8	1.43	..	0.03	....	....	3.72	..	.....
Gizzard shad......	140	1.71	11.4	....	73	0.72	11.0	....	37.68†	..	.....
Spotted gar.......	29	0.35	24.2	....	15	0.15	24.5	....	7.91†	..	.....

TABLE 103

Catch of Twelve Species of Fish in 1.5 Inch Trammel Nets With 20/6 and 20/12 Cotton For Inner Wall

	20/6 Cotton 82 net days				20/12 Cotton 100 net days				Comparison		
KIND OF FISH	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	8	0.10	12.5	3.28	12	0.12	13.6	3.41	0.21	9	0.634
White crappie.....	16	0.20	9.2	1.87	2	0.02	7.5	1.94	13.97†	5	0.985
Black crappie.....	62	0.76	9.5	2.06	34	0.34	9.6	1.91	14.79†	45	0.152
Bluegill..........	142	1.73	7.4	0.92	20	0.20	6.7	0.64	118.79†	52	2.857*
Yellow bass.......	38	0.46	10.9	0.96	55	0.55	9.7	1.17	0.66	45	2.505*
Channel catfish....	56	0.68	13.7	2.48	10	0.10	13.2	1.36	42.24†	23	0.643
Freshwater drum..	1	0.01	10.6	....	..	....	....	....	1.22	..	.....
Bigmouth buffalo..	...	....	....	....	..	....	....	....	.....	..	.....
Smallmouth buffalo	2	0.02	24.0	2.00	1	0.01	8.7	....	0.57	..	.....
River carpsucker..	3	0.04	14.8	1.43	2	0.02	10.6	0.86	0.45	1	4.356
Gizzard shad......	140	1.71	11.4	....	21	0.21	11.2	....	114.22†	..	.....
Spotted gar.......	29	0.35	24.2	....	21	0.21	23.8	....	3.39	..	.....

TABLE 104

Catch of Twelve Species of Fish in 1.5 Inch Trammel Nets With 69 Bonded Nylon and 20/6 Cotton For Inner Wall

KIND OF FISH	69 Nylon 107 net days				20/6 Cotton 82 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
argemouth bass..	68	0.64	12.2	2.36	8	0.10	12.5	3.28	32.43†	22	0.245
hite crappie.....	65	0.61	9.9	0.88	16	0.20	9.2	1.87	18.43†	31	1.006
lack crappie.....	385	3.60	9.6	1.45	62	0.76	9.5	2.06	158.60†	153	0.186
luegill..........	190	1.77	7.1	0.75	142	1.73	7.4	0.92	0.05†	163	1.449
ellow bass.......	328	3.06	9.8	1.13	38	0.46	10.9	0.96	162.35†	111	2.842*
hannel catfish....	244	2.28	14.0	2.09	56	0.68	13.7	2.48	74.65†	116	0.445
reshwater drum..	14	0.13	12.8	2.83	1	0.01	10.6	....	8.24†	3	2.458
igmouth buffalo..	2	0.02	17.5	0.60	...	....	....	....	1.54	...	.....
mallmouth buffalo	14	0.13	11.3	2.91	2	0.02	24.0	2.00	6.21†	4	7.261*
iver carpsucker..	47	0.44	12.7	2.19	3	0.04	14.8	1.43	28.47†	11	1.987
izzard shad......	1979	18.50	12.0	....	140	1.71	11.4	....	1167.19†	...	.....
potted gar.......	348	3.25	23.9	....	29	0.35	24.2	....	195.59†	...	.....

TABLE 105

Catch of Twelve Species of Fish in 1.5 and 2.0 Inch Mesh Trammel Nets With 20/6 Cotton For Inner Wall

KIND OF FISH	1.5 inch 82 net days				2.0 inch 100 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
argemouth bass..	8	0.10	12.5	3.28	7	0.07	14.2	0.90	0.41	6	1.406
hite crappie.....	16	0.20	9.2	1.87	8	0.08	12.6	1.36	4.53†	10	4.062*
lack crappie.....	62	0.76	9.5	2.06	24	0.24	11.7	1.35	25.41†	38	3.741*
luegill..........	142	1.73	7.4	0.92	62	0.62	8.7	1.48	49.70†	93	3.234*
ellow bass.......	38	0.46	10.9	0.96	12	0.12	10.4	1.06	19.36†	20	0.990
hannel catfish....	56	0.68	13.7	2.48	6	0.06	19.5	1.64	51.34†	17	5.760*
reshwater drum..	1	0.01	10.6	....	5	0.05	12.0	1.75	1.95	1	1.600
igmouth buffalo..	...	....	....	....	...	....	....	....	.....	..	.....
mallmouth buffalo	2	0.02	24.0	2.00	1	0.01	18.9	....	0.57	..	.....
iver carpsucker..	3	0.04	14.8	1.43	23	0.23	13.4	1.01	11.79†	7	1.517
izzard shad......	140	1.71	11.4	....	367	3.67	13.2	....	62.26†	..	.....
potted gar.......	29	0.35	24.2	....	29	0.29	27.7	....	0.57	..	.....

TABLE 106

Catch of Twelve Species of Fish in 2·0 Inch Mesh Trammel Nets With 20/6 and 20/9 Cotton For Inner Wall

Kind of Fish	20/6 Cotton 100 net days				20/9 Cotton 100 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	7	0.07	14.2	0.90	4	0.04	13.8	0.48	0.82	4	0.959
White crappie.....	8	0.08	12.6	1.36	28	0.28	11.4	1.32	11.11†	14	1.434
Black crappie.....	24	0.24	11.7	1.35	27	0.27	12.2	1.58	0.18	24	0.977
Bluegill..........	62	0.62	8.7	1.48	32	0.32	7.8	1.45	9.57†	44	1.705
Yellow bass.......	12	0.12	10.4	1.06	10	0.10	11.3	0.46	0.18	10	2.153
Channel catfish....	6	0.06	19.5	1.64	4	0.04	15.0	0.63	0.40	4	5.125*
Freshwater drum..	5	0.05	12.0	1.75	4	0.04	13.3	2.42	0.11	3	0.871
Bigmouth buffalo..	...	....	....	....	...	....	....	....	.....	..	.....
Smallmouth buffalo	1	0.01	18.9	....	1	0.01	17.7	....	.....	..	.....
River carpsucker..	23	0.23	13.4	1.01	10	0.10	13.8	0.60	5.12†	14	0.833
Gizzard shad......	367	3.67	13.2	....	136	1.36	13.1	....	106.09†	..	.....
Spotted gar.......	29	0.29	27.7	....	15	0.15	29.0	....	4.45†	..	.....

TABLE 107

Catch of Twelve Species of Fish in 2.0 Inch Mesh Trammel Nets With 20/6 and 20/12 Cotton For Inner Wall

Kind of Fish	20/6 Cotton 100 net days				20/12 Cotton 100 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	7	0.07	14.2	0.90	5	0.05	14.1	1.61	0.33	5	0.114
White crappie.....	8	0.08	12.6	1.36	2	0.02	11.8	....	3.60	3	1.556
Black crappie.....	24	0.24	11.7	1.35	21	0.21	12.0	9.92	0.20	27	0.688
Bluegill..........	62	0.62	8.7	1.48	7	0.07	8.7	0.36	43.84†	20	.....
Yellow bass.......	12	0.12	10.4	1.06	6	0.06	10.5	0.17	2.00	7	0.261
Channel catfish....	6	0.06	19.5	1.64	12	0.12	16.1	6.06	2.00	7	2.018
Freshwater drum..	5	0.05	12.0	1.75	..	....	....	....	5.00†	..	.....
Bigmouth buffalo..	...	....	....	....	..	....	....	....	.....	..	.....
Smallmouth buffalo	1	0.01	18.9	....	..	....	....	....	1.00	..	.....
River carpsucker..	23	0.23	13.4	1.01	6	0.06	14.0	0.48	9.97†	11	1.207
Gizzard shad......	367	3.67	13.2	....	59	0.59	11.2	....	222.69†	..	.....
Spotted gar.......	29	0.29	27.7	....	5	0.05	19.7	....	16.94†	..	.....

TABLE 108

Catch of Twelve Species of Fish in 2.0 Inch Mesh Trammel Nets With 104 Bonded Nylon and 20/6 Cotton For Inner Wall

	104 Nylon 126 net days				20/6 Cotton 100 net days				Comparison		
Kind of Fish	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
argemouth bass. .	29	0.23	15.0	2.54	7	0.07	14.2	0.90	8.98†	13	1.231
White crappie.	114	0.90	12.0	1.15	8	0.08	12.6	1.36	70.25†	29	1.070
Black crappie.	160	1.26	12.0	1.95	24	0.24	11.7	1.35	72.64†	61	0.673
Bluegill.	116	0.92	8.4	0.67	62	0.62	8.7	1.48	4.96†	84	0.777
Yellow bass.	348	2.76	11.0	1.31	12	0.12	10.4	1.06	244.31†	64	1.293
Channel catfish. . . .	162	1.28	14.7	2.17	6	0.06	19.5	1.64	112.69†	30	5.424*
Freshwater drum. .	84	0.67	13.9	3.21	5	0.05	12.0	1.75	53.84†	19	1.678
Bigmouth buffalo. .	12	0.10	18.2	4.99	. . .	. . . .	. . . .	. . . .	9.53†	. .	. . . . .
mallmouth buffalo	16	0.13	15.9	4.64	1	0.01	18.9	. . . .	10.14†	3	2.144
iver carpsucker. .	234	1.86	15.0	2.15	23	0.23	13.4	1.01	145.59†	72	1.054
Gizzard shad.	1145	9.08	14.1	. . . .	367	3.67	13.2	. . . .	244.61†	. .	. . . . .
potted gar.	120	0.95	29.2	. . . .	29	0.29	27.7	. . . .	37.11†	. .	. . . . .

TABLE 109

Catch of Twelve Species of Fish in 1.0 Inch Mesh Trammel Nets With 35/3 and 18/3 Linen For Inner Wall

	35/3 Linen 100 net days				18/3 Linen 100 net days				Comparison		
Kind of Fish	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass. .	37	0.37	12.1	3.67	7	0.07	9.4	3.38	20.45†	15	1.711
White crappie.	13	0.13	6.9	1.40	9	0.09	6.5	1.90	0.73	10	0.361
Black crappie.	92	0.92	7.0	2.51	43	0.43	6.3	1.15	17.79†	62	1.289
Bluegill.	318	3.18	5.4	0.93	136	1.36	5.2	1.19	72.96†	207	0.816
Yellow bass.	361	3.61	8.1	0.94	102	1.02	7.4	1.82	144.88†	191	1.341
Channel catfish. . . .	118	1.18	10.3	2.91	74	0.74	10.5	1.94	10.08†	92	0.253
Freshwater drum. .	1	0.01	9.7	. . . .	. .	. . . .	. . . .	. . . .	1.00	. . .	. . . . .
Bigmouth buffalo. .	. . .	. . . .	. . . .	. . . .	. .	. . . .	. . . .	. . . .	. . . . .	. . .	. . . . .
Smallmouth buffalo	. . .	. . . .	. . . .	. . . .	. .	. . . .	. . . .	. . . .	. . . . .	. . .	. . . . .
River carpsucker. .	10	0.10	12.9	5.50	. .	. . . .	. . . .	. . . .	10.00†	. . .	. . . . .
Gizzard shad.	114	1.14	10.3	. . . .	88	0.88	7.6	. . . .	3.35	. . .	. . . . .
Spotted gar.	27	0.27	24.0	. . . .	5	0.05	25.1	. . . .	15.12†	. . .	. . . . .

TABLE 110

Catch of Twelve Species of Fish in 1.0 Inch Mesh Trammel Nets With 69 Bonded Nylon and 35/3 Linen For Inner Wall

Kind of Fish	69 Nylon	121 net days			35/3 Linen	100 net days			Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	113	0.93	11.0	4.31	37	0.31	12.1	3.67	25.66†	64	1.106
White crappie.....	188	1.55	8.4	2.50	13	0.13	6.9	1.40	122.02†	48	1.992*
Black crappie.....	579	4.78	8.4	2.32	92	0.92	7.0	2.51	269.42†	230	2.513*
Bluegill..........	801	6.63	5.9	1.02	318	3.18	5.4	0.93	127.97†	504	2.841*
Yellow bass.......	452	3.73	9.4	1.19	361	3.61	8.1	0.94	0.23	403	4.483*
Channel catfish....	687	5.68	11.8	2.35	118	1.18	10.3	2.91	107.26†	284	2.385*
Freshwater drum..	52	0.43	10.1	4.55	1	0.01	6.7	....	40.22†	6	2.894*
Bigmouth buffalo..	3	0.02	19.6	2.56	...	....	....	....	2.49	...	.....
Smallmouth buffalo	11	0.09	10.0	4.48	...	....	....	....	9.10†	...	.....
River carpsucker..	26	0.21	15.0	2.99	10	0.10	12.9	5.50	4.44†	15	0.954
Gizzard shad......	1453	12.01	9.1	....	114	1.14	10.3	....	912.15†	...	.....
Spotted gar.......	94	0.78	24.5	....	27	0.27	24.0	....	25.69†	...	.....

TABLE 111

Catch of Twelve Species of Fish in 1.0 and 1.5 Inch Mesh Trammel Nets With 35/3 Linen For Inner Wall

Kind of Fish	1 inch	100 net days			1.5 inch	28 net days			Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	37	0.37	12.1	3.67	4	0.10	13.0	1.79	3.52	11	0.700
White crappie.....	13	0.13	6.9	1.40	10	0.26	11.6	2.12	6.28†	10	4.532*
Black crappie.....	92	0.92	7.0	2.51	5	0.13	11.5	1.48	15.87†	20	5.560*
Bluegill..........	318	3.18	5.4	0.93	...	....	....	....	89.07†	...	.....
Yellow bass.......	361	3.61	8.1	0.94	30	0.79	10.5	1.74	46.17†	103	3.217*
Channel catfish....	118	1.18	10.3	2.91	8	0.21	16.9	0.97	17.78†	30	8.900*
Freshwater drum..	1	0.01	6.7	....	2	0.05	13.8	2.00	3.50	...	.....
Bigmouth buffalo..	...	....	....	....	1	0.03	17.7	....	3.57	...	.....
Smallmouth buffalo	...	....	....	....	...	....	....	....	.....	...	.....
River carpsucker..	10	0.10	12.9	5.50	7	0.18	13.3	1.71	3.70	7	0.182
Gizzard shad......	114	1.14	10.3	....	190	5.00	13.9	....	293.42†	...	.....
Spotted gar.......	27	0.27	24.0	....	19	0.50	26.5	....	10.17†	...	.....

TABLE 112

Catch of Twelve Species of Fish in 1.5 Inch Mesh Trammel Nets With 35/3 and 18/3 Linen For Inner Wall

Kind of Fish	35/3 Linen 38 net days				18/3 Linen 100 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass. .	4	0.10	13.0	1.79	16	0.16	13.8	3.52	0.57	7	0.529
White crappie.	10	0.26	11.6	2.12	14	0.14	8.8	1.17	2.40	11	2.834*
Black crappie.	5	0.13	11.5	1.48	46	0.46	9.6	2.34	8.05†	14	2.272*
Bluegill.	...	....	....	....	43	0.43	6.7	0.34	16.34†	..	.....
Yellow bass.	30	0.79	10.5	1.74	265	2.65	9.6	1.09	44.60†	88	1.194
Channel catfish. . . .	8	0.21	16.9	0.97	49	0.49	12.9	1.20	5.21†	19	6.711*
Freshwater drum. .	2	0.05	13.8	2.00	2	0.02	9.0	0.34	1.02	1	3.345
Bigmouth buffalo. .	1	0.03	17.7	....	...	....	....	....	2.58	..	.....
Smallmouth buffalo	...	....	....	....	2	0.02	8.9	0.54	0.76	..	.....
River carpsucker. .	7	0.18	13.3	1.71	4	0.04	10.8	0.34	7.18†	4	3.388*
Gizzard shad.	190	5.00	13.9	....	186	1.86	11.4	....	99.60†	..	.....
Spotted gar.	19	0.50	26.5	....	103	1.03	22.1	....	8.76†	..	.....

TABLE 113

Catch of Twelve Species of Fish in 1.5 Inch Mesh Trammel Nets With 69 Bonded Nylon and 35/3 Linen For Inner Wall

Kind of Fish	69 Nylon 107 net days				35/3 Linen 38 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass. .	68	0.64	12.2	2.36	4	0.10	13.0	1.79	15.88†	15	0.722
White crappie.	65	0.61	9.9	0.88	10	0.26	11.6	2.12	6.43†	24	1.795
Black crappie.	385	3.60	9.6	1.45	5	0.13	11.5	1.48	125.31†	43	2.750*
Bluegill.	190	1.77	7.1	0.75	..	....	....	....	67.49†	..	.....
Yellow bass.	328	3.06	9.8	1.13	30	0.79	10.5	1.74	58.34†	98	0.352
Channel catfish. . . .	244	2.28	14.0	2.09	8	0.21	16.9	0.97	69.14†	43	4.924*
Freshwater drum. .	14	0.13	12.8	2.83	2	0.05	13.8	2.00	1.55	4	0.597
Bigmouth buffalo. .	2	0.02	17.5	0.60	1	0.03	17.7	....	0.07	..	0.472
Smallmouth buffalo	14	0.13	11.3	2.91	..	....	....	....	4.97†	..	.....
River carpsucker. .	47	0.44	12.7	2.19	7	0.18	13.3	1.71	4.90†	17	0.624
Gizzard shad.	1929	18.50	12.0	....	190	5.00	13.9	....	325.78†	..	.....
Spotted gar.	348	3.29	23.9	....	19	0.50	26.5	....	83.94†	..	.....

TABLE 114

Catch of Twelve Species of Fish in 1.5 and 2.0 Inch Mesh Tramme Nets With 35/3 Linen For Inner Wall

Kind of Fish	1.5 inch 35/3 Linen 38 net days				2.0 inch 35/3 Linen 100 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	4	0.10	13.0	1.79	25	0.25	13.8	3.65	2.75	9	0.595
White crappie.....	10	0.26	11.6	2.12	48	0.48	10.0	1.95	3.08	21	1.589
Black crappie.....	5	0.13	11.5	1.48	185	1.85	9.4	1.70	59.07†	29	2.909*
Bluegill..........	..	....	....	....	161	1.61	7.0	0.67	61.19†	..	.....
Yellow bass.......	30	0.79	10.5	1.74	203	2.03	9.9	1.22	25.11†	77	0.788
Channel catfish....	8	0.21	16.9	0.97	50	0.50	13.2	2.38	5.49†	19	5.331*
Freshwater drum..	2	0.05	13.8	2.00	4	0.04	11.0	1.91	0.10	2	1.641
Bigmouth buffalo..	1	0.03	17.7	....	2	0.02	13.5	2.54	0.05	..	.....
Smallmouth buffalo	..	....	....	....	18	0.18	9.4	3.21	6.85†	..	.....
River carpsucker..	7	0.18	13.3	1.71	16	0.16	12.5	1.28	0.10	10	0.978
Gizzard shad......	190	5.00	13.9	....	546	5.46	11.1	....	1.10	..	.....
Spotted gar.......	19	0.50	26.5	....	161	1.61	22.8	....	26.02†	..	.....

TABLE 115

Catch of Twelve Species of Fish in 2.0 Inch Mesh Trammel Nets With 35/3 and 18/3 Linen For Inner Wall

Kind of Fish	35/3 Linen 100 net days				18/3 Linen 103 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	25	0.25	13.8	3.65	17	0.17	14.5	0.96	1.77	20	0.768
White crappie.....	48	0.48	10.0	1.93	17	0.17	11.6	1.54	15.72†	28	2.257*
Black crappie.....	185	1.85	9.4	1.70	52	0.50	11.5	1.08	78.63†	97	5.738*
Bluegill..........	161	1.61	7.0	0.67	60	0.58	7.9	1.24	49.22†	97	2.761*
Yellow bass.......	203	2.03	9.9	1.22	182	1.76	10.9	0.58	1.85	191	3.247*
Channel catfish....	50	0.50	13.2	2.38	21	0.20	16.8	1.74	12.73†	31	5.202*
Freshwater drum..	4	0.04	11.0	1.91	5	0.05	14.3	2.69	0.08	3	2.000
Bigmouth buffalo..	2	0.02	13.5	2.54	..	....	....	....	2.04	..	.....
Smallmouth buffalo	18	0.18	9.4	3.21	1	0.01	11.8	....	15.72†	3	1.495
River carpsucker..	16	0.16	12.5	1.28	20	0.19	15.0	2.09	0.33	17	2.214*
Gizzard shad......	546	5.46	11.1	....	477	4.63	12.8	....	6.92†	..	.....
Spotted gar.......	161	1.61	22.8	....	51	0.50	26.9	....	60.39†	..	.....

TABLE 116

Catch of Twelve Species of Fish in 2.0 Inch Mesh Trammel Nets With 104 Bonded Nylon and 35/3 Linen For Inner Wall

KIND OF FISH	104 Nylon 126 net days				35/3 Linen 100 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass	29	0.23	15.0	2.54	25	0.25	13.8	3.65	0.09	26	1.173
White crappie	114	0.90	12.0	1.15	48	0.48	10.0	1.93	14.03†	73	3.552*
Black crappie	160	1.26	12.0	1.95	185	1.85	9.4	1.70	12.29†	171	6.032*
Bluegill	116	0.92	8.4	0.67	161	1.61	7.0	0.67	22.91†	136	8.092*
Yellow bass	348	2.76	11.0	1.32	203	3.48	9.9	1.22	12.26†	265	2.850*
Channel catfish	162	1.28	14.7	2.17	50	0.50	13.2	2.38	36.70†	89	2.508*
Freshwater drum	84	0.67	13.9	3.21	4	0.04	11.0	1.91	56.23†	17	2.427
Bigmouth buffalo	12	0.10	18.2	4.99	2	0.02	13.5	2.54	5.11†	4	1.867
Smallmouth buffalo	16	0.13	15.9	4.64	18	0.18	9.4	3.21	1.05	16	3.053*
River carpsucker	234	1.86	15.0	2.15	16	0.16	12.5	1.28	145.17†	60	4.310*
Gizzard shad	1145	9.08	14.1	....	546	5.46	11.1	....	98.08†	..	.....
Spotted gar	120	0.95	29.2	....	161	1.61	22.8	....	19.39†	..	.....

TABLE 117

Catch of Twelve Species of Fish in 1.0 Inch Mesh Trammel Nets With 69 and 104 Bonded Nylon For Inner Wall

KIND OF FISH	69 Nylon 121 net days				104 Nylon 108 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass	113	0.93	11.0	4.31	71	0.66	12.4	3.99	5.42†	89	1.573
White crappie	188	1.55	8.4	2.50	24	0.22	7.7	2.34	109.28†	66	0.984
Black crappie	579	4.78	8.4	2.32	274	2.54	8.2	2.28	77.40†	397	0.444
Bluegill	801	6.63	5.9	1.02	201	1.86	5.9	0.98	295.30†	400	.....
Yellow bass	452	3.73	9.4	1.19	702	6.50	8.2	1.38	86.56†	562	4.301*
Channel catfish	687	5.68	11.8	2.35	723	6.69	9.6	1.83	9.59†	704	5.687*
Freshwater drum	52	0.43	10.1	4.55	4	0.04	12.7	4.42	35.99†	13	1.040
Bigmouth buffalo	3	0.02	19.6	2.56	2	0.02	11.0	4.34	0.10	1	2.525
Smallmouth buffalo	11	0.09	10.8	4.48	2	0.02	11.8	4.70	5.27†	4	0.264
River carpsucker	26	0.21	15.0	2.99	11	0.10	12.1	1.75	4.51†	16	3.043*
Gizzard shad	1453	12.01	9.1	....	1405	17.64	8.3	....	123.42†	..	.....
Spotted gar	94	0.78	24.5	....	152	1.41	22.1	....	21.63†	..	.....

TABLE 118

Catch of Twelve Species of Fish in 1.0 Inch Mesh Trammel Nets With 69 and 139 Bonded Nylon For Inner Wall

Kind of Fish	69 Nylon 121 net days				139 Nylon 115 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	113	0.93	11.0	4.31	67	0.58	12.5	3.61	9.54†	86	1.609
White crappie.....	188	1.55	8.4	2.50	86	0.74	8.6	2.62	32.99†	126	0.258
Black crappie.....	579	4.78	8.4	2.32	248	2.16	8.0	2.60	116.28†	378	1.020
Bluegill..........	801	6.63	5.9	1.02	286	2.48	5.6	1.09	218.69†	478	1.705
Yellow bass.......	452	3.73	9.4	1.19	320	2.78	8.9	1.55	16.38†	379	3.916*
Channel catfish....	687	5.68	11.8	2.35	356	3.10	11.5	2.07	88.95†	494	0.752
Freshwater drum..	52	0.43	10.1	4.55	15	0.13	10.3	4.87	18.61†	27	0.096
Bigmouth buffalo..	3	0.02	19.6	2.56	3	0.03	15.6	5.75	.....	2	1.101
Smallmouth buffalo	11	0.09	10.8	4.48	2	0.02	15.3	3.72	5.77†	4	1.595
River carpsucker..	26	0.21	15.0	2.99	11	0.10	15.4	2.40	5.35†	16	0.309
Gizzard shad......	1453	12.01	9.1	....	1175	10.22	8.6	....	16.99†	..	.....
Spotted gar.......	94	0.78	24.5	....	97	0.84	24.5	....	0.32	..	.....

TABLE 119

Catch of Twelve Species of Fish in 1.0 and 1.5 Inch Mesh Trammel Nets With 69 Bonded Nylon For Inner Wall

Kind of Fish	1 inch 69 Nylon 121 net days				1.5 inch 69 Nylon 107 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	113	0.93	11.0	4.31	68	0.64	12.2	2.36	6.37†	87	1.600
White crappie.....	188	1.55	8.4	2.50	65	0.61	9.9	0.88	45.88†	110	2.793*
Black crappie.....	579	4.78	8.4	2.32	385	3.60	9.6	1.45	18.93†	471	3.288*
Bluegill..........	801	6.63	5.9	1.02	190	1.77	7.1	0.75	306.58†	379	7.895*
Yellow bass.......	452	3.73	9.4	1.19	328	3.06	9.8	1.13	7.45†	384	1.544
Channel catfish....	687	5.68	11.8	2.35	244	2.28	14.0	2.09	160.51†	408	5.000*
Freshwater drum..	52	0.43	10.1	4.55	14	0.13	12.8	2.83	17.52†	26	1.828
Bigmouth buffalo..	3	0.02	19.6	2.56	2	0.02	17.5	0.60	0.10	1	1.317
Smallmouth buffalo	11	0.09	10.8	4.48	14	0.13	11.3	2.91	0.83	11	0.238
River carpsucker..	26	0.21	15.0	2.99	47	0.44	12.7	2.19	9.55†	34	2.345*
Gizzard shad......	1453	12.01	9.1	....	1979	18.50	12.0	....	158.74†	..	.....
Spotted gar.......	94	0.78	24.5	....	348	3.25	23.9	....	179.50†	..	.....

TABLE 120

Catch of Twelve Species of Fish in 1.5 Inch Mesh Trammel Nets With 69 and 104 Bonded Nylon For Inner Wall

Kind of Fish	69 Nylon 107 net days				104 Nylon 107 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	68	0.64	12.2	2.36	62	0.58	13.4	3.32	0.28	64	3.064*
White crappie.....	65	0.61	9.9	0.88	64	0.60	9.7	1.26	0.01	63	0.522
Black crappie.....	385	3.60	9.6	1.45	449	4.20	9.6	2.72	4.91†	..	.....
Bluegill..........	190	1.77	7.1	0.75	145	1.35	7.2	0.81	6.04†	165	0.658
Yellow bass.......	328	3.06	9.8	1.13	742	6.93	9.3	0.88	160.18†	492	1.667
Channel catfish....	244	2.28	14.0	2.09	372	3.48	12.8	1.23	26.60†	300	3.046*
Freshwater drum..	14	0.13	12.8	2.83	23	0.21	12.0	2.07	2.19	17	0.733
Bigmouth buffalo..	2	0.02	17.5	0.60	5	0.05	11.8	4.55	1.29	2	2.920
Smallmouth buffalo	14	0.13	11.3	2.91	21	0.20	10.0	3.21	1.40	16	0.939
River carpsucker..	47	0.44	12.7	2.19	124	1.16	12.2	1.28	72.98†	75	0.697
Gizzard shad......	1979	18.50	12.0	....	1845	17.25	11.2	....	4.70†	..	.....
Spotted gar.......	348	3.25	23.9	....	212	1.98	23.9	....	33.03†	..	.....

TABLE 121

Catch of Twelve Species of Fish in 1.5 Inch Mesh Trammel Nets With 69 and 139 Bonded Nylon For Inner Wall

Kind of Fish	69 Nylon 107 net days				139 Nylon 116 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	68	0.64	12.2	2.36	62	0.53	13.3	3.58	0.98	64	0.600
White crappie.....	65	0.61	9.9	0.88	34	0.29	10.6	1.89	12.28†	46	0.985
Black crappie.....	385	3.60	9.6	1.45	188	1.62	10.1	2.03	84.71†	268	1.355
Bluegill..........	190	1.77	7.1	0.75	96	0.83	6.8	0.79	39.02†	134	1.829
Yellow bass.......	328	3.06	9.8	1.13	664	5.72	9.4	0.81	88.42†	466	1.786
Channel catfish....	244	2.28	14.0	2.09	403	3.47	12.5	1.27	27.33†	313	3.856*
Freshwater drum..	14	0.13	12.8	2.83	12	0.10	12.7	1.88	0.35	12	0.087
Bigmouth buffalo..	2	0.02	17.5	0.60	3	0.03	19.8	4.65	0.13	1	0.836
Smallmouth buffalo	14	0.13	11.3	2.91	12	0.10	11.4	2.90	0.35	12	0.069
River carpsucker..	47	0.44	12.7	2.19	78	0.67	10.5	1.13	5.40†	93	3.047*
Gizzard shad......	1979	18.50	12.0	....	1262	10.80	10.5	....	222.21†	..	.....
Spotted gar.......	348	3.25	23.9	....	190	1.64	27.7	....	60.15†	..	.....

TABLE 122

Catch of Twelve Species of Fish in 1.5 Inch Mesh Trammel Nets With 69 and 208 Bonded Nylon For Inner Wall

KIND OF FISH	69 Nylon 107 net days				208 Nylon 101 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	68	0.64	12.2	2.36	40	0.40	13.3	2.32	5.14†	51	1.792
White crappie.....	65	0.61	9.9	0.88	57	0.56	10.5	2.38	0.10	60	0.919
Black crappie.....	385	3.60	9.6	1.45	133	1.32	9.0	1.68	108.60†	225	1.835
Bluegill..........	190	1.77	7.1	0.75	128	1.27	7.3	0.98	8.79†	155	0.990
Yellow bass.......	328	3.06	9.8	1.13	368	3.64	9.6	1.09	5.18†	346	0.778
Channel catfish....	244	2.28	14.0	2.09	153	1.51	13.6	1.70	15.96†	192	0.962
Freshwater drum..	14	0.13	12.8	2.83	22	0.22	10.8	1.72	2.27	17	1.953
Bigmouth buffalo..	2	0.02	17.5	0.60	3	0.03	18.6	6.30	0.23	1	0.298
Smallmouth buffalo	14	0.13	11.3	2.91	3	0.03	11.4	1.83	6.52†	5	0.060
River carpsucker..	47	0.44	12.7	2.19	81	0.80	12.0	3.10	11.10†	61	0.731
Gizzard shad......	1979	18.50	12.0	....	1158	11.46	11.1	....	170.32†	..	.....
Spotted gar.......	348	3.25	23.9	....	186	1.84	24.4	....	40.29†	..	.....

TABLE 123

Catch of Twelve Species of Fish in 2.0 and 1.5 Inch Mesh Trammel Nets With 104 Bonded Nylon For Inner Wall

KIND OF FISH	2.0 inch Mesh 126 net days				1.5 inch Mesh 107 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	29	0.23	15.0	2.54	62	0.58	13.4	3.32	18.07†	41	1.966*
White crappie.....	114	0.90	12.0	1.15	64	0.60	9.7	1.26	7.12†	84	5.943*
Black crappie.....	160	1.26	12.0	1.95	449	4.20	9.6	2.72	189.63†	267	4.868*
Bluegill..........	116	0.92	8.4	0.67	145	1.35	7.2	0.81	9.76†	129	6.593*
Yellow bass.......	348	2.76	11.0	1.31	742	6.93	9.3	0.88	213.71†	507	4.709*
Channel catfish....	162	1.28	14.7	2.17	372	3.48	12.8	1.23	121.22†	244	4.822*
Freshwater drum..	84	0.67	13.9	3.21	23	0.21	12.0	2.07	25.07†	43	1.998*
Bigmouth buffalo..	12	0.10	18.2	4.99	5	0.05	11.8	4.55	1.87	7	2.498*
Smallmouth buffalo	16	0.13	15.9	4.64	21	0.20	10.0	3.21	1.75	17	3.516*
River carpsucker..	234	1.86	15.0	2.15	124	1.16	12.2	1.28	18.35†	169	5.809*
Gizzard shad......	1145	9.08	14.1	....	1845	17.25	11.2	....	300.02†	..	.....
Spotted gar.......	120	0.95	29.2	....	212	1.98	83.9	....	43.01†	..	.....

TABLE 124

Catch of Twelve Species of Fish in 2.0 Inch Mesh Trammel Nets With 104 and 139 Bonded Nylon For Inner Wall

Kind of Fish	104 Nylon		126 net days		139 Nylon		117 net days		Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass. .	29	0.23	15.0	2.54	39	0.33	14.7	1.57	2.31	33	0.461
White crappie.	114	0.90	12.0	1.15	52	0.44	11.7	1.26	18.80†	76	0.775
Black crappie.	160	1.26	12.0	1.95	187	1.60	11.3	0.98	4.58†	172	1.934
Bluegill.	116	0.92	8.4	0.67	99	0.85	8.5	0.92	0.38	106	0.342
Yellow bass.	348	2.76	11.0	1.31	22	0.19	10.8	1.33	263.96†	86	0.436
Channel catfish. . . .	162	1.28	14.7	2.17	38	0.32	16.2	2.52	6.81†	77	2.252*
Freshwater drum. .	84	0.67	13.9	3.21	23	0.20	13.0	3.04	30.45†	43	0.794
Bigmouth buffalo. .	12	0.10	18.2	4.99	5	0.04	22.3	4.60	2.40	7	1.414
Smallmouth buffalo	16	0.13	15.9	4.64	10	0.09	14.2	2.97	0.98	12	0.918
River carpsucker. .	234	1.86	15.0	2.15	186	1.99	13.5	3.14	2.51	147	1.750
Gizzard shad.	1145	9.08	14.1	. . . .	1328	11.35	13.6	. . . .	30.51†	. .	. . . . .
Spotted gar.	120	0.95	29.2	. . . .	202	1.73	26.7	. . . .	27.43†	. .	. . . . .

TABLE 125

Catch of Twelve Species of Fish in 2.0 Inch Mesh Trammel Nets With 104 and 208 Bonded Nylon For Inner Wall

Kind of Fish	104 Nylon		126 net days		208 Nylon		129 net days		Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass. .	29	0.23	15.0	2.54	40	0.31	14.3	2.22	1.50	33	1.007
White crappie.	114	0.90	12.0	1.15	73	0.56	11.8	1.12	9.98†	90	0.585
Black crappie.	160	1.26	12.0	1.95	122	0.95	11.5	1.20	6.06†	139	1.305
Bluegill.	116	0.92	8.4	0.67	62	0.48	8.7	1.44	17.68†	84	0.756
Yellow bass.	348	2.76	11.0	1.32	42	0.33	11.1	0.74	247.40†	120	0.303
Channel catfish. . . .	162	1.28	14.7	2.17	55	0.43	16.8	2.80	55.32†	93	3.010*
Freshwater drum. .	84	0.67	13.9	3.21	37	0.29	12.8	2.88	19.38†	55	1.021
Bigmouth buffalo. .	12	0.10	18.2	4.99	8	0.06	14.8	8.87	0.90	9	0.844
Smallmouth buffalo	16	0.13	15.9	4.64	15	0.12	12.6	3.40	0.06	14	1.738
River carpsucker. .	234	1.86	15.0	2.15	175	1.36	13.4	3.48	9.96†	201	1.871
Gizzard shad.	1145	9.08	14.1	. . . .	925	7.17	13.4	. . . .	28.51†	. .	. . . . .
Spotted gar.	120	0.95	29.2	. . . .	204	1.58	27.7	. . . .	19.84†	. .	. . . . .

TABLE 126

Catch of Twelve Species of Fish in 2.0 Inch Mesh Trammel Nets Wit 104 and 277 Bonded Nylon For Inner Wall

Kind of Fish	104 Nylon 126 net days				277 Nylon 132 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	29	0.23	15.0	2.54	61	0.46	16.4	1.73	9.95†	41	2.201*
White crappie.....	114	0.90	12.0	1.15	47	0.36	12.7	1.75	31.10†	72	1.728
Black crappie.....	160	1.26	12.0	1.95	110	0.83	11.6	0.78	11.73†	132	1.140
Bluegill..........	116	0.92	8.4	0.67	72	0.55	8.2	0.98	12.45†	90	0.837
Yellow bass.......	348	2.76	11.0	1.31	240	1.82	11.3	0.42	25.18†	288	1.042
Channel catfish....	162	1.28	14.7	2.17	91	0.69	14.6	2.56	23.36†	121	0.178
Freshwater drum..	84	0.67	13.9	3.21	36	0.27	14.6	2.81	21.52†	54	0.716
Bigmouth buffalo..	12	0.10	18.2	4.99	3	0.02	23.4	1.14	5.82†	5	2.762
Smallmouth buffalo	16	0.13	15.9	4.64	11	0.08	17.2	4.98	1.17	12	0.582
River carpsucker..	234	1.86	15.0	2.15	151	1.14	14.8	2.12	21.97†	187	0.377
Gizzard shad......	1145	9.08	14.1	....	783	5.93	14.2	....	85.85†	..	.....
Spotted gar.......	120	0.95	29.2	....	79	0.60	29.5	....	10.55†	..	.....

TABLE 127

Catch of Twelve Species of Fish in 2.5 Inch and 2.0 Inch Mesh Trammel Nets With 139 Bonded Nylon For Inner Wall

Kind of Fish	2.5 inch 99 net days				2.0 inch 117 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	37	0.37	16.2	2.34	39	0.33	14.7	1.57	0.25	37	2.618*
White crappie.....	38	0.38	13.0	1.75	52	0.44	11.7	1.26	0.48	43	2.305*
Black crappie.....	155	1.57	12.9	1.21	187	1.60	11.3	0.98	0.04	169	6.531*
Bluegill..........	..	....	....	....	99	0.85	8.5	0.92	83.75†	..	.....
Yellow bass.......	17	0.17	11.3	1.33	22	0.19	10.8	1.33	0.08	18	0.867
Channel catfish....	41	0.41	14.6	2.69	38	0.32	16.2	2.51	1.17	38	1.655
Freshwater drum..	36	0.36	14.7	2.05	23	0.20	13.0	3.01	5.48†	28	1.584
Bigmouth buffalo..	15	0.15	17.7	6.06	5	0.04	22.3	4.60	6.85†	8	1.615
Smallmouth buffalo	8	0.08	15.6	1.32	10	0.09	12.2	2.97	0.01	8	1.068
River carpsucker..	81	0.82	13.4	0.91	94	1.59	13.5	3.14	0.01	86	0.127
Gizzard shad......	135	1.36	14.6	....	1328	11.35	13.6	....	640.35†	..	.....
Spotted gar.......	42	0.42	30.7	....	202	1.73	26.7	....	80.50†	..	.....

TABLE 128

Catch of Twelve Species of Fish in 2.5 Inch Mesh Trammel Nets With 139 and 208 Bonded Nylon For Inner Wall

Kind of Fish	139 Nylon		99 net days		208 Nylon		96 net days		Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass	37	0.37	16.2	2.34	24	0.25	15.9	2.51	2.38	29	0.393
White crappie	38	0.38	13.0	1.75	20	0.21	13.0	0.78	5.04†	27	.....
Black crappie	155	1.57	12.9	1.21	96	1.00	13.3	0.90	12.11†	121	1.724
Bluegill	..	....	....	....	1	0.01	7.1	....	1.04	..	.....
Yellow bass	17	0.17	11.3	1.33	18	0.19	11.3	1.00	0.07	16	.....
Channel catfish	41	0.41	14.6	2.69	48	0.50	13.8	3.73	0.79	43	0.633
Freshwater drum	36	0.36	14.7	2.05	72	0.75	15.0	1.56	13.14†	50	0.410
Bigmouth buffalo	15	0.15	17.7	6.06	6	0.06	22.1	8.23	3.59	8	1.171
Smallmouth buffalo	8	0.08	15.6	1.32	6	0.06	18.0	2.16	0.23	6	2.017
River carpsucker	81	0.82	13.4	0.91	56	0.58	14.1	1.49	3.83	66	1.955
Gizzard shad	135	1.36	14.6	....	67	0.70	14.8	....	20.84†	..	.....
Spotted gar	42	0.42	30.7	....	14	0.15	31.4	....	13.16†	..	.....

TABLE 129

Catch of Twelve Species of Fish in 2.5 Inch Mesh Trammel Nets With 139 and 277 Bonded Nylon For Inner Wall

Kind of Fish	139 Nylon		99 net days		277 Nylon		49 net days		Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass	37	0.37	16.2	2.34	9	0.18	17.4	0.83	3.81	17	2.158*
White crappie	38	0.38	13.0	1.75	12	0.24	13.8	0.68	1.88	20	1.433
Black crappie	155	1.57	12.9	1.21	45	0.92	13.3	0.93	10.17†	83	1.434
Bluegill	..	....	....	....	..	....	....	....	.....	..	.....
Yellow bass	17	0.17	11.3	1.33	11	0.22	11.8	0.08	0.49	12	1.134
Channel catfish	41	0.41	14.6	2.69	2	0.04	17.7	1.60	15.73†	8	2.259
Freshwater drum	36	0.36	14.7	2.05	6	0.12	15.8	2.25	6.73†	14	0.994
Bigmouth buffalo	15	0.15	17.7	6.06	..	....	....	....	7.43†	..	.....
Smallmouth buffalo	8	0.08	15.6	1.32	1	0.01	20.1	....	1.97	2	9.018
River carpsucker	81	0.82	13.4	0.91	23	0.47	15.2	1.92	5.67†	42	2.206*
Gizzard shad	135	1.36	14.6	....	32	0.65	14.8	....	14.67†	..	.....
Spotted gar	42	0.42	30.7	....	12	0.24	31.2	....	2.89	..	.....

TABLE 130

Catch of Twelve Species of Fish in 3.0 Inch and 2.5 Inch Mesh Trammel Nets With 277 Bonded Nylon For Inner Wall

Kind of Fish	3.0 inch 101 net days				2.5 inch 49 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	3	0.03	19.5	1.54	9	0.18	17.4	0.83	9.78†	4	2.227
White crappie.....	..	....	....	....	12	0.24	13.8	0.62	24.74†	..	.....
Black crappie.....	..	....	....	....	45	0.92	13.3	0.93	92.76†	..	.....
Bluegill..........	..	....	....	....	..	....	....	....	.....	..	.....
Yellow bass.......	..	....	....	....	11	0.22	11.8	0.08	22.70†	..	.....
Channel catfish....	1	0.01	15.8	....	2	0.04	17.7	1.60	1.58	..	.....
Freshwater drum..	..	....	....	....	6	0.12	15.8	2.25	12.37†	..	.....
Bigmouth buffalo..	2	0.02	21.6	1.14	..	....	....	....	0.96	..	.....
Smallmouth buffalo	3	0.03	16.3	1.49	1	0.01	20.1	....	0.11	1	4.419
River carpsucker..	2	0.02	17.1	0.60	23	0.47	15.2	1.92	39.99†	6	2.259
Gizzard shad......	..	....	....	....	32	0.65	14.8	....	65.99†	..	.....
Spotted gar.......	2	0.02	35.2	....	12	0.24	31.2	....	17.93†	..	.....

TABLE 131

Catch of Twelve Species of Fish in 3·0 Inch and 3.5 Inch Mesh Trammel Nets With 277 Bonded Nylon For Inner Wall

Kind of Fish	3.0 inch 101 net days				3.5 inch 97 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	3	0.03	19.5	1.54	2	0.02	20.1	0.40	0.16	1	0.643
White crappie.....	..	....	....	....	..	....	....	....	.....	..	.....
Black crappie.....	..	....	....	....	..	....	....	....	.....	..	.....
Bluegill..........	..	....	....	....	..	....	....	....	.....	..	.....
Yellow bass.......	..	....	....	....	4	0.04	10.3	1.70	4.16†	..	.....
Channel catfish....	1	0.01	15.8	....	..	....	....	....	0.96	..	.....
Freshwater drum..	..	....	....	....	1	0.01	11.8	....	1.04	..	.....
Bigmouth buffalo..	2	0.02	21.6	1.14	2	0.02	37.9	4.74	a	1	1.828
Smallmouth buffalo	3	0.03	16.3	1.49	4	0.04	20.2	1.94	0.18	2	3.007
River carpsucker..	2	0.02	17.1	0.60	1	0.01	17.7	....	0.29	..	.....
Gizzard shad......	..	....	....	....	..	....	....	....	.....	..	.....
Spotted gar.......	2	0.02	35.2	....	1	0.01	27.6	....	0.29	..	.....

TABLE 132

atch of Twelve Species of Fish in 3.5 Inch Mesh Trammel Nets With 139 and 208 Bonded Nylon For Inner Wall

	139 Nylon 98 net days				208 Nylon 98 net days				Comparison		
KIND OF FISH	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
argemouth bass..	3	0.03	18.8	3.28	..	....	....	....	3.00	..	.....
hite crappie.....	..	....	....	....	..	....	....	....	.....	..	.....
lack crappie.....	..	....	....	....	..	....	....	....	.....	..	.....
luegill..........	..	....	....	....	..	....	....	....	.....	..	.....
ellow bass.......	..	....	....	....	..	....	....	....	.....	..	.....
hannel catfish....	4	0.04	12.3	0.70	..	....	....	....	4.00†	..	.....
reshwater drum..	10	0.10	17.5	2.65	1	0.01	9.8	....	7.36†	2	7.116*
igmouth buffalo..	25	0.26	25.2	4.87	1	0.01	24.0	....	22.15†	4	0.739
mallmouth buffalo	5	0.05	22.4	2.45	2	0.02	22.6	0.60	1.29	2	0.154
iver carpsucker..	..	....	....	....	..	....	....	....	.....	..	.....
izzard shad......	..	....	....	....	1	0.01	15.8	....	1.00	..	.....
potted gar.......	2	0.02	23.4	....	..	....	....	....	2.00	..	.....

TABLE 133

atch of Twelve Species of Fish in 3.5 Inch Mesh Trammel Nets With 139 and 277 Bonded Nylon For Inner Wall

	139 Nylon 98 net days				277 Nylon 97 net days				Comparison		
KIND OF FISH	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
argemouth bass..	3	0.03	18.8	3.28	2	0.02	20.1	0.40	0.18	1	0.679
hite crappie.....	..	....	....	....	..	....	....	....	.....	..	.....
lack crappie.....	..	....	....	....	..	....	....	....	.....	..	.....
luegill..........	..	....	....	....	..	....	....	....	.....	..	.....
ellow bass.......	..	....	....	....	4	0.04	10.3	1.70	4.04†	..	.....
hannel catfish....	4	0.04	12.3	0.70	..	....	....	....	3.96†	..	.....
reshwater drum..	10	0.10	17.5	2.65	1	0.01	11.8	....	7.27†	2	5.268*
igmouth buffalo..	25	0.26	25.2	4.87	2	0.02	27.9	4.74	19.33†	6	0.725
mallmouth buffalo	5	0.05	22.4	2.45	4	0.04	20.2	1.94	0.10	3	1.408
iver carpsucker..	..	....	....	....	1	0.01	17.7	....	0.10	..	.....
izzard shad......	..	....	....	....	..	....	....	....	.....	..	.....
potted gar.......	2	0.02	23.4	....	1	0.01	27.6	....	0.32	..	.....

TABLE 134

Catch of Twelve Species of Fish in 4.0 and 3.5 Inch Mesh Trammel Nets With 277 Bonded Nylon For Inner Wall

Kind of Fish	4 inch 94 net days				3.5 inch 97 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	2	0.02	20.4	4.34	2	0.02	20.1	0.40	.....	1	0.097
White crappie.....	..	....	....	....	..	....	....	....	.....	..	.....
Black crappie.....	..	....	....	....	..	....	....	....	.....	..	.....
Bluegill..........	..	....	....	....	..	....	....	....	.....	..	.....
Yellow bass.......	..	....	....	....	4	0.04	10.3	1.70	3.88†	..	.....
Channel catfish....	5	0.05	15.6	3.29	..	....	....	....	5.16†	..	.....
Freshwater drum..	2	0.02	16.7	0.94	1	0.01	11.8	....	3.60	..	.....
Bigmouth buffalo..	19	0.20	25.3	2.67	2	0.02	27.9	4.74	14.32†	5	0.754
Smallmouth buffalo	7	0.07	25.6	2.77	4	0.04	20.2	1.94	0.90	4	3.631*
River carpsucker..	..	....	....	....	1	0.01	17.7	....	0.96	..	.....
Gizzard shad......	..	....	....	....	..	....	....	....	.....	..	.....
Spotted gar.......	..	....	....	....	1	0.01	27.6	....	0.96	..	.....

TABLE 135

Catch of Twelve Species of Fish in 4.0 Inch Mesh Trammel Nets With 208 and 277 Bonded Nylon For Inner Wall

Kind of Fish	208 Nylon 95 net days				277 Nylon 94 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	..	....	....	....	2	0.02	20.4	4.34	2.01	..	.....
White crappie.....	..	....	....	....	..	....	....	....	.....	..	.....
Black crappie.....	..	....	....	....	..	....	....	....	.....	..	.....
Bluegill..........	..	....	....	....	..	....	....	....	.....	..	.....
Yellow bass.......	..	....	....	....	..	....	....	....	.....	..	.....
Channel catfish....	1	0.01	18.1	....	5	0.05	15.6	3.29	2.72	1	1.520
Freshwater drum..	..	....	....	....	2	0.02	16.7	0.94	2.01	..	.....
Bigmouth buffalo..	..	....	....	....	19	0.20	25.3	2.67	19.10†	..	.....
Smallmouth buffalo	1	0.01	22.0	....	7	0.07	25.6	2.77	4.56†	2	3.183
River carpsucker..	..	....	....	....	..	....	....	....	.....	..	.....
Gizzard shad......	..	....	....	....	..	....	....	....	.....	..	.....
Spotted gar.......	1	0.01	33.5	....	..	....	....	....	0.99	..	.....

TABLE 136

Catch of Twelve Species of Fish in 4.0 Inch Mesh Trammel Nets With 277 and 346 Bonded Nylon For Inner Wall

Kind of Fish	277 Nylon	94 net days			346 Nylon	95 net days			Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass	2	0.02	20.4	4.34	..	....	....	....	1.96	..	.....
White crappie	..	....	....	....	..	....	....	....	.....	..	.....
Black crappie	..	....	....	....	..	....	....	....	.....	..	.....
Bluegill	..	....	....	....	..	....	....	....	.....	..	.....
Yellow bass	..	....	....	....	..	....	....	....	.....	..	.....
Channel catfish	5	0.05	15.6	3.29	..	....	....	....	4.96†	..	.....
Freshwater drum	2	0.02	16.7	0.94	2	0.02	10.2	....	.....	1	9.774*
Bigmouth buffalo	19	0.20	25.3	2.67	1	0.01	24.8	....	15.98†	3	0.621
Smallmouth buffalo	7	0.07	25.6	2.77	..	....	....	....	7.92†	..	.....
River carpsucker	..	....	....	....	..	....	....	....	.....	..	.....
Gizzard shad	..	....	....	....	..	....	....	....	.....	..	.....
Spotted gar	..	....	....	....	..	....	....	....	.....	..	.....

TABLE 137

Catch of Twelve Species of Fish in 1.0 Inch Mesh Gill Nets With 20/6 and 20/9 Cotton

Kind of Fish	20/6 Cotton	100 net days			20/9 Cotton	100 net days			Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass	4	0.04	9.8	2.66	1	0.01	9.4	....	1.80	1	0.336
White crappie	1	0.01	5.1	....	..	....	....	....	1.00	..	.....
Black crappie	17	0.17	6.9	2.35	3	0.03	4.9	0.20	9.80†	6	7.937*
Bluegill	25	0.25	4.7	0.46	10	0.10	4.5	0.30	6.43†	15	1.087
Yellow bass	49	0.49	7.1	1.24	14	0.14	7.3	1.63	19.44†	25	0.303
Channel catfish	6	0.09	10.2	2.34	3	0.03	11.2	2.04	1.00	3	0.578
Freshwater drum	..	....	....	....	..	....	....	....	.....	..	.....
Bigmouth buffalo	..	....	....	....	..	....	....	....	.....	..	.....
Smallmouth buffalo	..	....	....	....	..	....	....	....	.....	..	.....
River carpsucker	..	....	....	....	..	....	....	....	.....	..	.....
Gizzard shad	34	0.34	7.2	....	4	0.04	8.0	....	23.68†	..	.....
Spotted gar	8	0.08	24.9	....	2	0.02	30.5	....	3.60	..	.....

TABLE 138

Catch of Twelve Species of Fish in 1.0 Inch Mesh Gill Nets With 20/6 and 20/12 Cotton

Kind of Fish	20/6 Cotton 100 net days				20/12 Cotton 100 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	4	0.04	9.8	2.66	1	0.01	11.8	....	1.80	2	1.681
White crappie.....	1	0.01	5.1	....	..	....	....	....	1.00	..	.....
Black crappie.....	17	0.17	6.9	2.35	1	0.01	6.1	....	14.22†	3	1.020
Bluegill..........	25	0.25	4.7	0.46	1	0.01	4.3	....	22.15†	5	2.899
Yellow bass.......	49	0.49	7.1	1.24	1	0.01	7.1	....	46.08†	7	.....
Channel catfish....	6	0.06	10.2	2.34	..	....	....	....	6.00†	..	.....
Freshwater drum..	..	....	....	....	..	....	....	....	.....	..	.....
Bigmouth buffalo..	..	....	....	....	..	....	....	....	.....	..	.....
Smallmouth buffalo	..	....	....	....	..	....	....	....	.....	..	.....
River carpsucker..	..	....	....	....	1	0.01	5.9	....	1.00	..	.....
Gizzard shad......	34	0.34	7.2	....	2	0.02	6.5	....	28.44†	..	.....
Spotted gar.......	8	0.08	24.9	....	1	0.01	15.8	....	5.44†	..	.....

TABLE 139

Catch of Twelve Species of Fish in 1.0 Inch Mesh Gill Nets With 20/6 Cotton and 69 Bonded Nylon

Kind of Fish	20/6 Cotton 100 net days				69 Nylon 90 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	4	0.04	9.8	2.66	33	0.37	12.4	4.12	25.84†	10	1.784
White crappie.....	1	0.01	5.1	....	46	0.51	8.9	2.44	48.11†	6	6.230
Black crappie.....	17	0.17	6.9	2.35	100	1.11	8.1	2.64	68.13†	48	1.364
Bluegill..........	25	0.25	4.7	0.02	183	2.03	5.7	1.27	164.89†	67	4.425
Yellow bass.......	49	0.49	7.1	0.14	319	3.54	9.3	3.18	228.06†	124	3.509
Channel catfish....	6	0.06	10.2	0.91	424	4.71	11.2	1.94	452.76†	49	1.010
Freshwater drum..	..	....	....	....	13	0.14	8.2	1.99	14.44†	..	.....
Bigmouth buffalo..	..	....	....	....	2	0.02	12.7	6.60	2.27	..	.....
Smallmouth buffalo	..	....	....	....	3	0.03	12.4	3.73	3.34	..	.....
River carpsucker..	..	....	....	....	18	0.20	13.2	3.54	19.98†	..	.....
Gizzard shad......	34	0.34	7.2	....	1611	17.90	8.9	....	1686.81†	..	.....
Spotted gar.......	8	0.08	24.9	....	117	1.30	24.3	....	107.17†	..	.....

TABLE 140

atch of Twelve Species of Fish in 1.0 and 1.5 Inch Mesh Gill Nets With 20/6 Cotton

	1.0 inch	100 net days			1.5 inch	100 net days			Comparison		
KIND OF FISH	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
argemouth bass	4	0.04	9.8	2.66	6	0.06	13.5	5.29	0.40	4	1.397
hite crappie	1	0.01	5.1	....	3	0.03	10.3	1.81	1.00	1	4.976*
lack crappie	17	0.17	6.9	2.35	16	0.16	8.9	2.01	0.30	15	2.148*
luegill	25	0.25	4.7	0.46	23	0.23	6.6	0.60	0.08	23	9.500*
ellow bass	49	0.49	7.1	1.24	85	0.85	9.6	1.06	9.67†	64	5.787*
hannel catfish	6	0.06	10.2	2.34	32	0.32	13.6	1.28	17.79†	13	3.337*
reshwater drum	..	....	....	....	2	0.02	9.2	0.54	2.00	..	.....
igmouth buffalo	..	....	....	....	1	0.01	9.8	....	1.00	..	.....
mallmouth buffalo	..	....	....	....	3	0.03	9.2	0.60	3.00	..	.....
iver carpsucker	..	....	....	....	13	0.13	11.9	1.78	13.00†	..	.....
izzard shad	34	0.34	7.2	....	83	0.83	10.6	....	20.52†	..	.....
otted gar	8	0.08	24.9	....	19	0.19	23.7	....	4.48†	..	.....

TABLE 141

Catch of Twelve Species of Fish in 1.5 Inch Mesh Gill Nets With 20/6 and 20/9 Cotton

	20/6 Cotton	100 net days			20/9 Cotton	100 net days			Comparison		
KIND OF FISH	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
argemouth bass	6	0.06	13.5	5.29	7	0.07	14.0	2.48	0.08	5	0.194
hite crappie	3	0.03	10.3	1.81	1	0.01	8.7	....	1.00	1	1.531
ack crappie	16	0.16	8.9	2.01	11	0.11	8.5	1.28	0.92	12	0.620
uegill	23	0.23	6.6	0.60	2	0.02	6.7	0.40	17.64†	7	0.287
ellow bass	85	0.85	9.6	1.06	63	0.63	9.6	2.47	2.27	72	.....
annel catfish	32	0.32	13.6	1.28	6	0.06	13.2	0.93	17.78†	13	0.733
eshwater drum	2	0.02	9.2	0.54	2	0.02	13.7	3.54	.....	1	1.777
gmouth buffalo	1	0.01	9.8	....	..	....	....	....	1.00	..	.....
allmouth buffalo	3	0.03	9.2	0.60	2	0.02	9.4	....	0.20	1	0.472
iver carpsucker	13	0.13	11.9	1.78	4	0.04	9.8	0.40	4.76†	6	3.043*
izzard shad	83	0.83	10.6	....	63	0.63	10.9	....	3.74	..	.....
otted gar	19	0.19	23.7	....	12	0.12	22.6	....	1.58	..	.....

TABLE 142

Catch of Twelve Species of Fish in 1.5 Inch Mesh Gill Nets With 20/6 and 20/12 Cotton

Kind of Fish	20/6 Cotton 100 net days				20/12 Cotton 100 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	6	0.06	13.5	5.29	6	0.06	12.1	0.80	.....	5	0.58
White crappie.....	3	0.03	10.3	1.81	..	....	....	....	2.25	..	....
Black crappie.....	16	0.16	8.9	2.01	2	0.02	10.8	2.54	10.89†	5	1.01
Bluegill..........	23	0.23	6.6	0.60	3	0.03	6.1	0.20	15.38†	7	2.48
Yellow bass.......	85	0.85	9.6	1.06	45	0.45	8.8	1.19	17.86†	61	2.29
Channel catfish....	32	0.32	13.6	1.28	3	0.03	13.1	1.99	24.03†	9	0.41
Freshwater drum..	2	0.02	9.2	0.54	1	0.01	9.1	....	0.34	1	0.26
Bigmouth buffalo..	1	0.01	9.8	....	..	....	....	....	1.00	..	....
Smallmouth buffalo	3	0.03	9.2	0.60	..	....	....	....	2.25	..	....
River carpsucker..	13	0.13	11.9	1.78	..	....	....	....	13.00†	..	....
Gizzard shad......	83	0.83	10.6	....	9	0.09	11.5	....	53.26†	..	....
Spotted gar.......	19	0.19	23.7	....	5	0.05	27.0	....	8.17†	..	....

TABLE 143

Catch of Twelve Species of Fish in 1.5 Inch Mesh Gill Nets With 20/6 Cotton and 69 Bonded Nylon

Kind of Fish	20/6 Cotton 100 net days				69 Nylon 103 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	6	0.06	13.5	5.29	15	0.14	12.6	3.25	2.59	8	0.35
White crappie.....	3	0.03	10.3	1.81	41	0.40	10.2	1.44	31.70†	10	0.09
Black crappie.....	16	0.16	8.9	2.01	95	0.92	9.4	1.52	53.93†	38	0.84
Bluegill..........	23	0.23	6.6	0.60	86	0.83	6.8	0.72	34.57†	43	1.05
Yellow bass.......	85	0.85	9.6	1.06	224	2.17	9.8	1.39	58.49†	137	0.61
Channel catfish....	32	0.32	13.3	1.28	193	1.87	13.8	2.09	110.53†	78	0.36
Freshwater drum..	2	0.02	9.2	0.54	26	0.25	12.6	5.76	19.86†	6	2.28
Bigmouth buffalo..	1	0.01	9.8	....	..	....	....	....	1.04	..	....
Smallmouth buffalo	3	0.03	9.2	0.60	5	0.05	16.5	3.88	0.44	3	4.08
River carpsucker..	13	0.13	11.9	1.78	27	0.26	15.4	3.06	4.49†	18	3.46
Gizzard shad......	83	0.83	10.6	....	991	9.62	9.9	....	741.17†	..	....
Spotted gar.......	19	0.19	23.7	....	178	1.73	23.5	....	123.69†	..	....

TABLE 144

atch of Twelve Species of Fish in 1.5 and 2.0 Inch Mesh Gill Nets With 20/6 Cotton

KIND OF FISH	1.5 inch 100 net days				2.0 inch 100 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
argemouth bass..	6	0.06	13.5	5.29	4	0.04	10.9	2.70	0.40	4	0.954
hite crappie.....	3	0.03	10.3	1.81	1	0.01	13.4	....	1.00	1	2.967
lack crappie.....	16	0.16	8.9	2.01	22	0.22	10.6	1.69	0.85	18	2.179*
luegill..........	23	0.23	6.6	0.60	17	0.17	8.1	0.46	0.90	19	6.912*
ellow bass.......	85	0.85	9.6	1.06	22	0.22	10.8	0.72	37.09†	42	4.138*
hannel catfish....	32	0.32	13.3	1.28	5	0.05	14.9	1.45	19.70†	12	1.430
reshwater drum..	2	0.02	9.2	0.54	3	0.03	11.8	0.86	0.20	1	4.147*
igmouth buffalo..	1	0.01	9.8	....	..	....	....	....	1.00	..	.....
mallmouth buffalo	3	0.03	9.2	0.60	12	0.12	10.9	1.37	5.40†	5	2.541
iver carpsucker..	13	0.13	11.9	1.78	13	0.13	13.4	1.50	.....	12	1.771
izzard shad......	83	0.83	10.6	....	76	0.76	13.0	....	0.31	..	.....
otted gar.......	19	0.19	23.7	....	9	0.09	28.0	....	3.57	..	.....

TABLE 145

Catch of Twelve Species of Fish in 2.0 Inch Mesh Gill Nets With 20/6 and 20/9 Cotton

KIND OF FISH	20/6 Cotton 100 net days				20/9 Cotton 103 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
argemouth bass..	4	0.04	10.9	2.70	20	0.19	11.4	1.78	10.19†	8	0.309
hite crappie.....	1	0.01	13.4	....	..	....	....	....	1.04	..	.....
lack crappie.....	22	0.22	10.6	1.69	8	0.08	11.1	1.52	6.95†	12	0.622
luegill..........	17	0.17	8.1	0.46	2	0.02	8.3	0.40	12.29†	6	0.613
ellow bass.......	22	0.22	10.8	0.72	70	0.68	10.0	1.00	23.65†	38	2.353*
hannel catfish....	5	0.05	14.9	1.45	5	0.05	15.3	2.93	.....	4	0.530
reshwater drum..	3	0.03	11.8	0.86	4	0.04	11.2	0.66	0.12	2	1.005
igmouth buffalo..	..	....	....	....	1	0.01	22.4	....	0.96	..	.....
mallmouth buffalo	12	0.12	10.9	1.37	1	0.01	9.8	....	9.65†	2	2.124
iver carpsucker..	13	0.13	13.4	1.50	3	0.03	14.9	0.96	6.55†	5	2.177
izzard shad......	76	0.76	13.0	....	64	0.62	11.4	....	1.42	..	.....
potted gar.......	9	0.09	28.0	....	2	0.02	25.2	....	4.66†	..	.....

TABLE 146

Catch of Twelve Species of Fish in 2.0 Inch Mesh Gill Nets With 20/6 and 20/12 Cotton

Kind of Fish	20/6 Cotton 100 net days				20/12 Cotton 100 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	4	0.04	10.9	2.70	3	0.03	12.3	4.05	0.14	2	0.519
White crappie.....	1	0.01	13.4	....	1	0.01	11.0	....	.....	..	.....
Black crappie.....	22	0.22	10.6	1.69	6	0.06	11.7	1.19	9.14†	10	1.375
Bluegill..........	17	0.17	8.1	0.46	6	0.06	8.1	0.37	5.26†	9	.....
Yellow bass.......	22	0.22	10.8	0.72	17	0.17	10.7	0.59	0.64	18	0.325
Channel catfish....	5	0.05	14.9	1.45	3	0.03	15.7	1.16	0.50	4	0.559
Freshwater drum..	3	0.03	11.8	0.86	5	0.05	11.8	....	0.50	4	.....
Bigmouth buffalo..	..	....	....	....	..	....	....	....	.....	..	.....
Smallmouth buffalo	12	0.12	10.9	1.37	..	....	....	....	12.00†	..	.....
River carpsucker..	13	0.13	13.4	1.50	..	....	....	....	13.00†	..	.....
Gizzard shad......	76	0.76	13.0	....	39	0.39	15.5	....	11.90†	..	.....
Spotted gar.......	9	0.09	28.0	....	5	0.05	25.6	....	1.14	..	.....

TABLE 147

Catch of Twelve Species of Fish in 2.0 Inch Mesh Gill Nets With 20/6 Cotton and 104 Bonded Nylon

Kind of Fish	20/6 Cotton 100 net days				104 Nylon 74 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	4	0.04	10.9	2.70	12	0.16	13.8	2.04	6.92†	7	1.865
White crappie.....	1	0.01	13.4	....	19	0.26	11.5	0.75	22.51†	3	7.631*
Black crappie.....	22	0.22	10.6	1.69	33	0.45	11.3	2.06	6.87†	26	0.899
Bluegill...........	17	0.17	8.1	0.46	29	0.39	8.4	0.36	7.93†	21	1.415
Yellow bass.......	22	0.22	10.8	0.72	10	0.14	11.4	0.20	1.67	14	2.899*
Channel catfish....	5	0.05	14.9	1.45	42	0.56	16.8	1.88	42.17†	13	2.047
Freshwater drum..	3	0.03	11.8	0.86	30	0.40	12.7	2.23	31.62†	8	1.134
Bigmouth buffalo..	..	....	....	....	5	0.07	24.4	3.41	6.74†	..	.....
Smallmouth buffalo	12	0.12	10.9	1.37	2	0.03	18.5	5.10	4.56†	4	2.086
River carpsucker..	13	0.13	13.4	1.50	111	1.50	15.3	1.48	111.94†	37	2.738*
Gizzard shad......	76	0.76	13.0	....	452	6.11	13.7	....	402.12†	..	.....
Spotted gar.......	9	0.09	28.0	....	95	1.28	27.1	....	101.40†	..	.....

TABLE 148

Catch of Twelve Species of Fish in 1.0 Inch Mesh Gill Nets With 35/3 and 18/3 Linen

KIND OF FISH	35/3 Linen 103 net days				18/3 Linen 99 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
argemouth bass..	7	0.07	10.8	3.47	2	0.02	12.0	4.50	2.58	3	0.349
hite crappie.....	5	0.05	6.6	1.44	..	....	....	....	4.80†	..	.....
ack crappie.....	57	0.55	6.4	1.92	24	0.24	6.1	1.36	12.18†	36	0.462
uegill..........	73	0.71	5.0	0.98	9	0.09	4.9	0.82	47.47†	25	0.193
ellow bass.......	157	1.52	7.8	1.35	23	0.23	8.6	3.06	94.54†	59	0.598
hannel catfish....	93	0.90	10.7	1.64	10	0.10	8.4	1.04	63.66†	29	3.698*
eshwater drum..	1	0.01	6.0	....	..	....	....	....	0.96	..	.....
gmouth buffalo..	1	0.01	6.1	....	..	....	....	....	0.96	..	.....
mallmouth buffalo	1	0.01	9.3	....	..	....	....	....	0.96	..	.....
iver carpsucker..	4	0.04	13.7	1.51	..	....	....	....	3.84†	..	.....
izzard shad......	90	0.87	8.0	....	20	0.20	6.9	....	41.83†	..	.....
otted gar.......	33	0.32	24.4	....	13	0.13	22.2	....	7.92†	..	.....

TABLE 149

Catch of Twelve Species of Fish in 1.0 Inch Mesh Gill Nets With 69 Bonded Nylon and 35/3 Linen

KIND OF FISH	69 Nylon 90 net days				35/3 Linen 103 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
argemouth bass..	33	0.37	12.4	4.12	7	0.07	10.8	3.47	20.59†	14	1.027
hite crappie.....	46	0.51	8.9	2.44	5	0.05	6.6	1.44	38.90†	14	3.593*
lack crappie.....	100	1.11	8.1	2.64	57	0.55	6.4	1.92	18.37†	88	2.760*
luegill..........	183	2.03	5.7	1.27	73	0.71	5.0	0.98	63.55†	115	1.480
ellow bass.......	319	3.54	9.3	3.18	157	1.52	7.8	1.35	79.49†	223	2.627*
hannel catfish....	424	4.71	11.2	1.94	93	0.90	10.7	1.64	260.06†	198	1.113
reshwater drum..	13	0.14	8.2	1.99	1	0.01	6.0	....	12.01†	3	3.318*
igmouth buffalo..	2	0.02	12.7	6.60	1	0.01	6.1	....	0.48	1	1.414
mallmouth buffalo	3	0.03	12.4	3.73	1	0.01	9.3	....	1.29	1	1.439
iver carpsucker..	18	0.20	13.2	3.54	4	0.04	13.7	1.51	10.94†	7	0.342
izzard shad......	1611	17.90	8.9	....	90	0.87	8.0	....	1579.97†	..	.....
potted gar.......	117	1.30	24.3	....	33	0.32	24.4	....	59.33†	..	.....

TABLE 150

Catch of Twelve Species of Fish in 1.0 and 1.5 Inch Mesh Gill Nets With 35/3 Linen

Kind of Fish	1.0 inch	103 net days			1.5 inch	103 net days			Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	7	0.07	10.8	3.47	7	0.07	11.0	1.67	.....	6	0.137
White crappie.....	5	0.05	6.6	1.44	7	0.07	9.6	0.66	0.33	5	4.231*
Black crappie.....	57	0.55	6.4	1.92	36	0.35	9.8	1.70	4.74†	44	5.388*
Bluegill..........	73	0.71	5.0	0.98	71	0.69	6.7	0.52	0.03	71	3.802*
Yellow bass.......	157	1.52	7.8	1.35	33	0.32	10.0	0.87	80.93†	71	6.180*
Channel catfish....	93	0.90	10.7	1.64	36	0.35	12.8	0.99	25.19†	57	4.626*
Freshwater drum..	1	0.01	6.0	....	5	0.05	11.3	1.64	2.67	1	4.569
Bigmouth buffalo..	1	0.01	6.1	....	3	0.03	8.5	0.36	1.00	1	11.594
Smallmouth buffalo	1	0.01	9.3	....	6	0.06	10.1	0.30	4.17†	1	3.774
River carpsucker..	4	0.04	13.7	1.51	70	0.68	11.7	1.93	58.86†	16	1.807
Gizzard shad......	90	0.87	8.0	....	193	1.87	10.7	....	37.49†	..	.....
Spotted gar.......	33	0.32	24.4	....	112	1.09	23.3	....	43.04†	..	.....

TABLE 151

Catch of Twelve Species of Fish in 1.5 Inch Mesh Gill Nets With 35/3 and 18/3 Linen

Kind of Fish	35/3 Linen	103 net days			18/3 Linen	105 net days			Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	7	0.07	11.0	1.67	9	0.09	11.7	1.21	0.21	7	0.842
White crappie.....	7	0.07	9.6	0.66	1	0.01	9.0	....	4.62†	2	2.034
Black crappie.....	36	0.35	9.8	1.70	11	0.10	8.3	0.86	13.79†	19	2.901*
Bluegill..........	71	0.69	6.7	0.52	22	0.21	6.9	0.78	26.78†	39	0.851
Yellow bass.......	33	0.32	10.0	0.87	55	0.52	9.7	0.87	5.09†	42	0.977
Channel catfish....	36	0.35	12.8	0.99	24	0.23	12.9	1.78	2.64	28	0.173
Freshwater drum..	5	0.05	11.3	1.64	..	....	....	....	5.07†	..	.....
Bigmouth buffalo..	3	0.03	8.5	0.36	3	0.03	9.0	0.20	.....	2	2.110
Smallmouth buffalo	6	0.06	10.1	0.30	1	0.01	11.0	....	7.12†	1	4.245
River carpsucker..	70	0.68	11.7	1.93	5	0.05	9.1	....	57.59†	18	3.807*
Gizzard shad......	193	1.87	10.7	....	73	0.69	11.3	....	56.48†	..	.....
Spotted gar.......	112	1.09	23.3	....	57	0.54	23.1	....	18.97†	..	.....

TABLE 152

Catch of Twelve Species of Fish in 1.5 Inch Mesh Gill Nets With 35/3 Linen and 69 Bonded Nylon

Kind of Fish	35/3 Linen 103 net days				69 Nylon 103 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
argemouth bass	7	0.07	11.0	1.67	15	0.14	12.6	3.25	1.91	9	1.491
hite crappie	7	0.07	9.6	0.66	41	0.40	10.2	1.44	24.08†	16	1.370
lack crappie	36	0.35	9.8	1.70	95	0.92	9.4	1.52	26.57†	57	0.755
luegill	71	0.69	6.7	0.52	86	0.83	6.8	0.72	1.43	77	0.658
ellow bass	33	0.32	10.0	0.87	224	2.17	9.8	1.39	141.95†	85	0.595
hannel catfish	36	0.35	12.8	0.99	193	1.87	13.8	2.09	107.63†	82	1.972*
reshwater drum	5	0.05	11.3	1.64	26	0.25	12.6	5.76	14.23†	10	0.703
igmouth buffalo	3	0.03	8.5	0.36	..	....	....	....	3.00	..	.....
mallmouth buffalo	6	0.06	10.1	0.30	5	0.05	16.5	3.88	0.09	4	3.089*
iver carpsucker	70	0.68	11.7	1.93	27	0.26	15.4	3.06	19.06†	42	3.544*
izzard shad	193	1.87	10.7	....	991	9.62	9.9	....	268.25†	..	.....
potted gar	112	1.09	23.3	....	178	1.73	23.5	....	15.02†	..	.....

TABLE 153

Catch of Twelve Species of Fish in 1.5 and 2.0 Inch Mesh Gill Nets With 35/3 Linen

Kind of Fish	1.5 inch 103 net days				2.0 inch 100 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
argemouth bass	7	0.07	11.0	1.67	7	0.07	13.9	2.91	a	6	2.287
hite crappie	7	0.07	9.6	0.66	11	0.11	11.7	1.14	1.01	8	3.811*
lack crappie	36	0.35	9.8	1.70	19	0.19	10.9	0.94	4.76†	25	2.227*
luegill	71	0.69	6.7	0.52	22	0.22	8.2	0.52	24.39†	39	2.846*
ellow bass	33	0.32	10.0	0.87	41	0.41	11.2	0.64	1.12	36	4.167*
hannel catfish	36	0.35	12.8	0.99	21	0.21	16.0	2.24	3.52	26	4.644*
reshwater drum	5	0.05	11.3	1.64	9	0.09	12.8	1.25	1.26	6	1.209
igmouth buffalo	3	0.03	8.5	0.36	..	....	....	....	2.92	..	.....
mallmouth buffalo	6	0.06	10.1	0.30	1	0.01	15.0	....	3.43	1	23.113*
iver carpsucker	70	0.68	11.7	1.93	50	0.50	14.2	1.38	2.77	58	3.268*
izzard shad	193	1.87	10.7	....	345	3.45	13.4	....	60.21†	..	.....
potted gar	112	1.09	23.3	....	51	0.51	27.6	....	21.06†	..	.....

TABLE 154

Catch of Twelve Species of Fish in 2.0 Inch Mesh Gill Nets With 35/3 and 18/3 Linen

Kind of Fish	35/3 Linen 100 net days				18/3 Linen 33 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	7	0.07	13.9	2.91	..	....	....	....	2.32	..	.....
White crappie.....	11	0.11	11.7	1.14	1	0.03	10.2	....	1.75	2	3.219
Black crappie.....	19	0.19	10.9	0.94	1	0.03	11.8	....	4.20†	3	3.586*
Bluegill...........	22	0.22	8.2	0.52	3	0.09	8.0	0.81	2.20	7	0.286
Yellow bass.......	41	0.41	11.2	0.64	9	0.27	11.0	0.17	1.24	18	1.070
Channel catfish....	21	0.21	16.0	2.24	6	0.18	15.0	1.69	0.10	10	1.022
Freshwater drum..	9	0.09	12.8	1.25	4	0.12	12.9	1.30	0.24	5	0.127
Bigmouth buffalo..	..	....	....	....	..	....	....	....	.....	..	.....
Smallmouth buffalo	1	0.01	15.0	....	2	0.06	10.2	....	2.42	..	.....
River carpsucker..	50	0.50	14.2	1.38	15	0.45	14.1	0.20	0.11	26	0.268
Gizzard shad......	345	3.45	13.4	....	33	1.00	13.5	....	52.39†	..	.....
Spotted gar.......	51	0.51	27.6	....	11	0.33	26.7	....	1.66	..	.....

TABLE 155

Catch of Twelve Species of Fish in 2.0 Inch Mesh Gill Nets With 35/3 Linen and 104 Bonded Nylon

Kind of Fish	35/3 Linen 100 net days				104 Nylon 74 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	7	0.07	13.9	2.91	12	0.16	13.8	2.04	3.31	8	0.074
White crappie.....	11	0.11	11.7	1.14	19	0.26	11.5	0.75	5.31†	13	0.379
Black crappie.....	19	0.19	10.9	0.94	33	0.45	11.3	2.06	9.31†	24	0.716
Bluegill..........	22	0.22	8.2	0.52	29	0.39	8.4	0.36	4.29†	24	0.372
Yellow bass.......	41	0.41	11.2	0.64	10	0.14	11.4	0.20	10.96†	19	1.070
Channel catfish....	21	0.21	16.0	2.24	42	0.56	16.8	1.88	15.02†	29	1.081
Freshwater drum..	9	0.09	12.8	1.25	30	0.40	12.7	2.23	18.86†	15	0.132
Bigmouth buffalo..	..	....	....	....	5	0.07	24.4	3.41	6.74†	..	.....
Smallmouth buffalo	1	0.01	15.0	....	2	0.03	18.5	5.10	0.71	0	0.971
River carpsucker..	50	0.50	14.2	1.38	111	1.50	15.3	1.48	45.97†	73	2.083*
Gizzard shad......	345	3.45	13.4	....	452	6.11	13.7	....	65.59†	..	.....
Spotted gar.......	51	0.51	27.6	....	95	1.28	27.1	....	30.35†	..	.....

TABLE 156

Catch of Twelve Species of Fish in 2.0 and 2.5 Inch Mesh Gill Nets With 35/3 Linen

	2.0 inch	100 net days			2.5 inch	20 net days			Comparison		
KIND OF FISH	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass	7	0.07	13.9	2.91	1	0.05	16.5	....	0.10	2	2.364
White crappie	11	0.11	11.7	1.14	..	....	....	....	2.20	..	.....
Black crappie	19	0.19	10.9	0.94	17	0.85	13.1	0.57	24.20†	16	6.832*
Bluegill	22	0.22	8.2	0.52	1	0.05	8.3	....	2.51	4	0.192
Yellow bass	41	0.41	11.2	0.64	..	....	....	....	8.20†	..	.....
Channel catfish	21	0.21	16.0	2.24	..	....	....	....	4.20†	..	.....
Freshwater drum	9	0.09	12.8	1.25	..	....	....	....	2.55	..	.....
Bigmouth buffalo	..	....	....	....	..	....	....	....	.....	..	.....
Smallmouth buffalo	1	0.01	15.0	....	1	0.05	15.8	....	1.63	..	.....
River carpsucker	50	0.50	14.2	1.38	6	0.30	14.3	1.27	1.43	16	0.123
Gizzard shad	345	3.45	13.4	....	25	1.25	14.3	....	26.18†	..	.....
Spotted gar	51	0.51	27.6	....	5	0.25	29.8	....	2.41	..	.....

TABLE 157

Catch of Twelve Species of Fish in 2.5 Inch Mesh Gill Nets With 35/3 Linen and 139 Bonded Nylon

	35/3 Linen	20 net days			139 Nylon	80 net days			Comparison		
KIND OF FISH	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass	1	0.05	16.5	....	18	0.22	16.4	1.83	2.58	3	0.212
White crappie	..	....	....	....	13	0.16	13.3	0.95	3.25	..	.....
Black crappie	17	0.85	13.1	0.57	37	0.46	13.7	1.15	4.49†	24	1.863
Bluegill	1	0.05	8.3	....	2	0.02	7.7	0.20	2.73	1	4.255
Yellow bass	..	....	....	....	..	....	....	....	.....	..	.....
Channel catfish	..	....	....	....	3	0.04	19.8	0.10	0.75	..	.....
Freshwater drum	..	....	....	....	12	0.15	15.7	1.22	3.00	..	.....
Bigmouth buffalo	..	....	....	....	10	0.13	17.5	3.73	2.50	..	.....
Smallmouth buffalo	1	0.05	15.8	....	8	0.10	18.5	1.71	0.44	2	4.173
River carpsucker	6	0.30	14.3	1.27	87	1.09	16.1	2.25	10.67†	22	1.897
Gizzard shad	25	1.25	14.3	....	79	0.99	30.3	....	1.06	..	.....
Spotted gar	5	0.25	29.8	....	6	0.08	15.4	....	4.45†	..	.....

TABLE 158

Catch of Twelve Species of Fish in 1.0 Inch Mesh Gill Nets With 69 and 104 Bonded Nylon

	69 Nylon		90 net days		104 Nylon		108 net days		Comparison		
Kind of Fish	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass. .	33	0.37	12.4	4.12	36	0.33	11.1	4.11	0.16	33	1.105
White crappie.	46	0.51	8.9	2.44	14	0.13	9.1	2.26	23.58†	24	0.213
Black crappie.	100	1.11	8.1	2.64	141	1.31	8.0	1.81	1.52	139	0.194
Bluegill.	183	2.03	5.7	1.27	119	1.10	5.6	1.26	27.94†	147	0.370
Yellow bass.	319	3.54	9.3	3.18	352	3.26	8.5	1.28	1.24	334	1.457
Channel catfish. . . .	424	4.71	11.2	1.94	156	1.44	11.9	2.78	178.95†	256	1.273
Freshwater drum. .	13	0.14	8.2	1.99	15	0.14	7.6	1.47	0.01	13	0.694
Bigmouth buffalo. .	2	0.02	12.7	6.60	. .	. . . .	. . . .	. . . .	2.40	. .	. . . . .
Smallmouth buffalo	3	0.03	12.4	3.73	3	0.03	17.3	6.44	0.05	2	1.140
River carpsucker. .	18	0.20	13.2	3.54	29	0.27	13.7	3.56	0.97	22	0.307
Gizzard shad.	1611	17.90	8.9	. . . .	1004	9.30	8.4	. . . .	257.30†	. .	. . . . .
Spotted gar.	117	1.30	24.3	. . . .	112	1.04	23.4	. . . .	2.94	. .	. . . . .

TABLE 159

Catch of Twelve Species of Fish in 1.0 Inch Mesh Gill Nets With 69 and 139 Bonded Nylon

	69 Nylon		90 net days		139 Nylon		111 net days		Comparison		
Kind of Fish	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass. .	33	0.37	12.4	4.12	32	0.29	11.8	3.58	0.94	31	0.504
White crappie.	46	0.51	8.9	2.44	17	0.15	7.2	1.80	20.32†	27	1.860
Black crappie.	100	1.11	8.1	2.64	178	1.60	6.4	2.02	8.72†	157	3.009*
Bluegill.	183	2.03	5.7	1.27	120	1.08	5.1	0.51	29.89†	147	3.046*
Yellow bass.	319	3.54	9.3	3.18	345	3.11	8.2	1.60	2.86	331	1.940
Channel catfish. . . .	424	4.71	11.2	1.94	396	3.57	10.7	2.05	15.91†	409	1.235
Freshwater drum. .	13	0.14	8.2	1.99	15	0.13	8.8	3.61	0.03	13	0.698
Bigmouth buffalo. .	2	0.02	12.7	6.60	. .	. . . .	. . . .	. . . .	2.44	. .	. . . . .
Smallmouth buffalo	3	0.03	12.4	3.73	. .	. . . .	. . . .	. . . .	3.72	. .	. . . . .
River carpsucker. .	18	0.20	13.2	3.54	42	0.38	12.5	4.41	5.30†	26	0.403
Gizzard shad.	1611	17.90	8.9	. . . .	459	4.13	8.5	. . . .	914.16†	. .	. . . . .
Spotted gar.	117	1.30	24.3	. . . .	97	0.87	24.9	. . . .	8.47†	. .	. . . . .

TABLE 160

Catch of Twelve Species of Fish in 1.0 and 1.5 Inch Mesh Gill Nets With 69 Bonded Nylon

Kind of Fish	1.0 inch 90 net days				1.5 inch 103 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
argemouth bass	33	0.37	12.4	4.12	15	0.14	12.6	3.25	9.44†	21	0.165
hite crappie	46	0.51	8.9	2.44	41	0.40	10.2	1.44	1.36	42	1.884
lack crappie	100	1.11	8.1	2.64	95	0.92	9.4	1.52	15.82†	114	2.539*
luegill	183	2.03	5.7	1.27	86	0.83	6.8	0.72	49.51†	124	5.069*
ellow bass	319	3.54	9.3	3.18	224	2.17	9.8	1.39	32.04†	266	0.894
hannel catfish	424	4.71	11.2	1.94	193	1.87	13.8	2.09	120.97†	285	5.350*
reshwater drum	13	0.14	8.2	1.99	26	0.25	12.6	5.76	2.78	17	2.774*
igmouth buffalo	2	0.02	12.7	6.60	..	....	....	....	2.30	..	.....
mallmouth buffalo	3	0.03	12.4	3.73	5	0.05	16.5	3.88	0.27	3	1.482
iver carpsucker	18	0.20	13.2	3.54	27	0.26	15.4	3.06	0.79	21	1.549
izzard shad	1611	17.90	8.9	....	991	9.62	9.9	....	244.24†	..	.....
potted gar	117	1.30	24.3	....	178	1.73	23.5	....	5.76†	..	.....

TABLE 161

Catch of Twelve Species of Fish in 1.5 Inch Mesh Gill Nets With 69 and 104 Bonded Nylon

Kind of Fish	69 Nylon 103 net days				104 Nylon 100 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass	15	0.14	12.6	3.25	20	0.20	13.0	3.48	0.87	16	0.301
White crappie	41	0.40	10.2	1.44	51	0.51	10.6	1.57	1.40	45	0.815
Black crappie	95	0.92	9.4	1.52	122	1.22	9.6	1.45	4.21†	107	0.451
Bluegill	86	0.83	6.8	0.72	77	0.77	7.6	4.26	0.26	80	0.948
Yellow bass	224	2.17	9.8	1.39	71	0.71	9.7	1.04	74.91†	125	0.319
Channel catfish	193	1.87	13.8	2.09	133	1.33	13.4	1.69	9.34†	159	0.792
Freshwater drum	26	0.25	12.6	5.76	20	0.20	11.0	1.87	0.61	22	1.053
Bigmouth buffalo	..	....	....	....	1	0.01	15.8	....	1.04	..	.....
Smallmouth buffalo	5	0.05	16.5	3.88	11	0.11	12.6	4.38	2.43	6	1.565
River carpsucker	27	0.26	15.4	3.06	28	0.28	15.6	2.50	0.06	26	0.190
Gizzard shad	991	9.62	9.9	....	751	7.51	11.9	....	26.35†	..	.....
Spotted gar	178	1.73	23.5	....	189	1.89	27.0	....	0.73	..	.....

TABLE 162

Catch of Twelve Species of Fish in 1.5 Inch Mesh Gill Nets With 69 and 139 Bonded Nylon

Kind of Fish	69 Nylon		103 net days		139 Nylon		101 net days		Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	15	0.14	12.6	3.25	33	0.33	12.8	2.67	7.12†	21	0.190
White crappie.....	41	0.40	10.2	1.44	49	0.48	10.1	1.46	0.88	44	0.212
Black crappie.....	95	0.92	9.4	1.52	107	1.06	10.0	2.10	0.97	100	1.077
Bluegill..........	86	0.83	6.8	0.72	72	0.71	6.6	0.81	1.86	78	0.990
Yellow bass.......	224	2.17	9.8	1.39	102	1.01	9.9	0.91	43.30†	150	0.358
Channel catfish....	193	1.87	13.8	2.09	124	1.23	13.9	1.94	13.70†	154	0.198
Freshwater drum..	26	0.25	12.6	5.76	18	0.18	9.7	1.47	1.30	21	1.942
Bigmouth buffalo..	..	....	....	....	1	0.01	12.6	....	1.00	..	.....
Smallmouth buffalo	5	0.05	16.5	3.88	4	0.04	13.3	3.72	0.09	3	1.258
River carpsucker..	27	0.26	15.4	3.06	24	0.24	14.9	0.52	0.12	24	0.616
Gizzard shad......	991	9.62	23.5	....	882	8.73	11.4	....	4.39†	..	.....
Spotted gar.......	178	1.73	9.9	....	236	2.36	23.7	....	9.30†	..	.....

TABLE 163

Catch of Twelve Species of Fish in 1.5 and 2.0 Inch Mesh Gill Net With 104 Bonded Nylon

Kind of Fish	1.5 inch		100 net days		2.0 inch		74 net days		Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	20	0.20	13.0	3.48	8	0.11	13.8	2.04	2.23	14	0.632
White crappie.....	51	0.51	10.6	1.57	19	0.26	11.5	0.75	6.78†	30	2.018
Black crappie.....	122	1.22	9.6	1.45	33	0.45	11.3	2.06	28.61†	62	2.891*
Bluegill..........	77	0.77	7.6	4.26	29	0.39	8.4	0.36	9.98†	46	0.945
Yellow bass.......	71	0.71	9.7	1.04	10	0.14	11.4	0.20	30.22†	26	8.019*
Channel catfish....	133	1.33	13.4	1.69	42	0.56	16.8	1.88	24.59†	74	6.827*
Freshwater drum..	20	0.20	11.0	1.87	30	0.40	12.7	2.23	6.25†	23	2.166*
Bigmouth buffalo..	1	0.01	15.8	....	5	0.07	24.4	3.41	4.09†	1	5.997
Smallmouth buffalo	11	0.11	12.6	4.38	2	0.03	18.5	5.10	5.92†	4	1.466
River carpsucker..	28	0.28	15.6	2.50	111	1.50	15.3	1.48	79.22†	55	0.375
Gizzard shad......	751	7.51	11.9	....	456	6.11	13.7	....	12.10†	..	.....
Spotted gar.......	189	1.89	27.0	....	95	1.28	27.1	....	9.58†	..	.....

TABLE 164

Catch of Twelve Species of Fish in 2.0 Inch Mesh Gill Nets With 104 and 139 Bonded Nylon

KIND OF FISH	104 Nylon 74 net days				139 Nylon 105 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	8	0.11	13.8	2.04	32	0.30	15.5	4.90	7.52†	19	1.269
White crappie.....	19	0.26	11.5	0.75	37	0.35	11.6	0.99	1.27	26	0.306
Black crappie.....	33	0.45	11.3	2.06	46	0.44	11.4	1.31	0.01	38	0.171
Bluegill..........	29	0.39	8.4	0.36	88	0.84	8.2	0.58	13.22†	50	1.042
Yellow bass.......	10	0.14	11.4	0.20	23	0.22	11.1	1.63	1.66	14	0.765
Channel catfish....	42	0.56	16.8	1.88	44	0.42	16.3	3.45	1.59	42	0.617
Freshwater drum..	30	0.40	12.7	2.23	19	0.18	12.1	2.96	7.98†	23	0.552
Bigmouth buffalo..	5	0.07	24.4	3.41	5	0.05	19.1	3.81	0.31	4	2.380
Smallmouth buffalo	2	0.03	18.5	5.10	8	0.08	15.4	3.12	1.87	3	0.822
River carpsucker..	111	1.50	15.3	1.45	85	0.81	15.1	1.95	18.90†	96	0.355
Gizzard shad......	452	6.11	13.7	....	687	6.54	13.5	....	1.29	..	.....
Spotted gar.......	95	1.28	27.1	....	121	1.15	27.1	....	0.62	..	.....

TABLE 165

Catch of Twelve Species of Fish in 2.0 Inch Mesh Gill Nets With 104 and 208 Bonded Nylon

KIND OF FISH	104 Nylon 74 net days				208 Nylon 107 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	8	0.11	13.8	2.04	23	0.21	15.4	2.18	2.91	16	1.726
White crappie.....	19	0.26	11.5	0.75	48	0.45	12.1	1.10	4.35†	29	1.558
Black crappie.....	33	0.43	11.3	2.06	38	0.36	11.1	1.54	0.92	34	0.321
Bluegill..........	29	0.39	8.4	0.36	58	0.54	8.2	0.53	2.05	40	0.976
Yellow bass.......	10	0.14	11.4	0.20	14	0.13	11.2	0.45	0.01	11	1.290
Channel catfish....	42	0.56	16.8	1.88	45	0.42	16.6	2.00	1.97	42	0.323
Freshwater drum..	30	0.40	12.7	2.23	8	0.07	13.3	2.32	22.80†	14	0.456
Bigmouth buffalo..	5	0.07	24.4	3.41	1	0.01	13.4	....	4.48†	1	7.671
Smallmouth buffalo	2	0.03	18.5	5.10	3	0.03	13.3	2.60	a	1	1.285
River carpsucker..	111	1.50	15.3	1.48	92	0.86	14.1	3.67	15.99†	100	1.259
Gizzard shad......	452	6.11	13.7	....	517	4.83	13.9	....	13.33†	..	.....
Spotted gar.......	95	1.28	27.1	....	75	0.70	27.7	....	15.83†	..	.....

TABLE 166

Catch of Twelve Species of Fish in 2.0 Inch Mesh Gill Nets With 104 and 277 Bonded Nylon

Kind of Fish	104 Nylon		74 net days		277 Nylon		17 net days		Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	8	0.11	13.8	2.04	3	0.15	15.3	0.10	0.54	5	1.940
White crappie.....	19	0.26	11.5	0.75	7	0.41	11.2	1.05	1.16	11	0.278
Black crappie.....	33	0.45	11.3	2.06	2	0.12	12.0	0.60	3.88†	7	1.687
Bluegill..........	29	0.39	8.4	0.36	..	....	....	....	6.67†	..	.....
Yellow bass.......	10	0.14	11.4	0.20	104	6.12	11.0	0.92	394.87†	31	1.325
Channel catfish....	42	0.56	16.8	1.88	18	1.06	15.6	1.83	5.06†	27	1.415
Freshwater drum..	30	0.40	12.7	2.23	6	0.35	14.8	2.06	0.10	13	2.011
Bigmouth buffalo..	5	0.07	24.4	3.41	3	0.18	21.7	0.95	1.88	3	1.883
Smallmouth buffalo	2	0.03	18.5	5.10	5	0.29	15.4	4.70	12.79†	2	0.591
River carpsucker..	111	1.50	15.3	1.48	37	2.18	13.6	0.60	3.89†	63	2.916
Gizzard shad......	452	6.11	13.7	....	186	10.94	13.8	....	46.07†	..	.....
Spotted gar.......	95	1.28	27.1	....	2	0.12	30.5	....	17.63†	..	.....

TABLE 167

Catch of Twelve Species of Fish in 2.0 and 2.5 Inch Mesh Gill Nets With 139 Bonded Nylon

Kind of Fish	2.0 inch		105 net days		2.5 Inch		80 net days		Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	32	0.30	15.5	4.90	18	0.22	16.4	1.83	1.07	23	0.754
White crappie.....	37	0.35	11.6	0.99	13	0.16	13.3	0.95	6.05†	21	4.913*
Black crappie.....	46	0.44	11.4	1.51	37	0.46	13.7	1.15	0.06	40	6.037*
Bluegill..........	88	0.84	8.2	0.58	2	0.02	7.7	0.20	61.71†	12	2.564*
Yellow bass.......	23	0.22	11.1	1.63	..	....	....	....	17.54†	..	.....
Channel catfish....	44	0.42	16.3	3.45	3	0.04	1.98	0.10	26.01†	10	4.944*
Freshwater drum..	19	0.18	12.1	2.96	12	0.15	15.7	1.22	0.26	14	3.704*
Bigmouth buffalo..	5	0.05	19.1	3.81	10	0.13	17.5	3.73	3.35	6	0.723
Smallmouth buffalo	8	0.05	15.4	3.12	8	0.10	18.5	1.71	0.30	7	2.424*
River carpsucker..	85	0.81	15.1	1.95	87	1.09	16.1	2.25	3.78	85	1.387
Gizzard shad......	687	6.54	13.5	....	79	0.99	30.3	....	338.88†	..	.....
Spotted gar.......	121	1.15	27.1	....	6	0.08	15.4	....	76.75†	..	.....

TABLE 168

Catch of Twelve Species of Fish in 2.5 and 3.0 Inch Mesh Gill Nets With 139 Bonded Nylon

Kind of Fish	2.5 inch 80 net days				3.0 inch 102 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	18	0.22	16.4	1.83	3	0.03	19.9	0.20	14.87†	6	6.823*
White crappie.....	13	0.16	13.3	0.95	2	0.02	13.3	1.70	11.12†	4	.....
Black crappie.....	37	0.48	13.7	1.15	14	0.14	14.2	1.17	16.92†	22	0.720
Bluegill..........	2	0.02	7.7	0.20	..	....	....	....	2.54	..	.....
Yellow bass.......	..	....	....	....	..	....	....	....	.....	..	.....
Channel catfish....	3	0.04	19.8	0.10	4	0.04	22.1	1.05	a	2	4.340*
Freshwater drum..	12	0.15	15.7	1.22	5	0.05	15.9	2.79	4.90†	7	0.153
Bigmouth buffalo..	10	0.13	17.5	3.73	6	0.06	19.4	3.40	2.24	7	0.960
Smallmouth buffalo	8	0.10	18.5	1.71	27	0.27	18.4	1.39	6.33†	14	0.120
River carpsucker..	87	1.09	16.1	2.25	10	0.10	17.7	1.30	82.35†	28	2.059*
Gizzard shad......	79	0.99	30.3	....	13	0.13	14.5	....	65.60†	..	.....
Spotted gar.......	6	0.08	15.4	....	2	0.02	33.9	....	3.12	..	.....

TABLE 169

Catch of Twelve Species of Fish in 3.0 and 4.0 Inch Mesh Gill Nets With 139 Bonded Nylon

Kind of Fish	3.0 inch 102 net days				4.0 inch 72 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	3	0.03	19.9	0.20	..	....	....	....	2.42	..	.....
White crappie.....	2	0.02	13.3	1.70	..	....	....	....	1.42	..	.....
Black crappie.....	14	0.14	14.2	1.17	..	....	....	....	9.87†	..	.....
Bluegill..........	..	....	....	....	..	....	....	....	.....	..	.....
Yellow bass.......	..	....	....	....	..	....	....	....	.....	..	.....
Channel catfish....	4	0.04	22.1	1.05	..	....	....	....	2.84	..	.....
Freshwater drum..	5	0.05	15.9	2.79	1	0.01	19.7	....	4.23†	1	3.045
Bigmouth buffalo..	6	0.06	19.4	3.40	51	0.71	23.0	1.91	54.34†	16	2.395*
Smallmouth buffalo	27	0.27	18.4	1.39	14	0.19	22.3	2.14	0.89	18	4.551*
River carpsucker..	10	0.10	17.7	1.30	2	0.03	21.0	1.14	3.03	3	3.494*
Gizzard shad......	13	0.13	14.5	....	..	....	....	....	9.18†	..	.....
Spotted gar.......	2	0.02	33.9	....	..	....	....	....	1.42	..	.....

TABLE 170

Catch of Twelve Species of Fish in 4.0 Inch Mesh Gill Nets With 139 and 208 Bonded Nylon

Kind of Fish	139 Nylon 72 net days				208 Nylon 287 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	..	....	....	....	..	....	....	....	.....	..	.....
White crappie.....	..	....	....	....	..	....	....	....	.....	..	.....
Black crappie.....	..	....	....	....	..	....	....	....	.....	..	.....
Bluegill..........	..	....	....	....	..	....	....	....	.....	..	.....
Yellow bass.......	..	....	....	....	..	....	....	....	.....	..	.....
Channel catfish....	..	....	....	....	3	0.01	19.1	2.57	0.51	..	.....
Freshwater drum..	1	0.01	19.7	....	8	0.02	15.6	4.24	0.45	2	2.559
Bigmouth buffalo..	51	0.71	23.0	1.91	98	0.34	23.5	2.00	18.65†	70	0.822
Smallmouth buffalo	14	0.19	22.3	2.14	47	0.16	23.1	1.46	0.32	25	1.047
River carpsucker..	2	0.03	21.0	1.14	..	....	....	....	8.00†	..	.....
Gizzard shad......	..	....	....	....	2	0.01	17.3	....	0.50	..	.....
Spotted gar.......	..	....	....	....	4	0.01	25.8	....	1.00	..	.....

TABLE 171

Catch of Twelve Species of Fish in 4.0 Inch Mesh Gill Nets With 139 and 277 Bondod Nylon

Kind of Fish	139 Nylon 72 net days				277 Nylon 119 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	..	....	....	....	2	0.02	....	....	1.20	..	.....
White crappie.....	..	....	....	....	..	....	....	....	.....	..	.....
Black crappie.....	..	....	....	....	..	....	....	....	.....	..	.....
Bluegill..........	..	....	....	....	..	....	....	....	.....	..	.....
Yellow bass.......	..	....	....	....	..	....	....	....	.....	..	.....
Channel catfish....	..	....	....	....	..	....	....	....	.....	..	.....
Freshwater drum..	1	0.01	19.7	....	1	0.01	14.2	....	0.13	..	.....
Bigmouth buffalo..	51	0.71	23.0	1.91	16	0.13	24.0	0.95	42.10†	28	1.522
Smallmouth buffalo	14	0.19	22.3	2.14	12	0.10	21.3	1.42	2.89	12	1.186
River carpsucker..	2	0.03	21.0	1.14	..	....	....	....	3.33	..	.....
Gizzard shad......	..	....	....	....	..	....	....	....	.....	..	.....
Spotted gar.......	..	....	....	....	1	0.01	30.7	....	0.41	..	.....

TABLE 172

Catch of Twelve Species of Fish in 4.0 Inch Mesh Gill Nets With 139 and 346 Bonded Nylon

Kind of Fish	139 Nylon 72 net days				346 Nylon 202 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass	..	....	....	....	..	....	....	....	.....	..	.....
White crappie	..	....	....	....	..	....	....	....	.....	..	.....
Black crappie	..	....	....	....	..	....	....	....	.....	..	.....
Bluegill	..	....	....	....	..	....	....	....	.....	..	.....
Yellow bass	..	....	....	....	..	....	....	....	.....	..	.....
Channel catfish	..	....	....	....	..	....	....	....	.....	..	.....
Freshwater drum	1	0.01	19.7	....	2	0.01	22.7	7.24	0.07	0	0.586
Bigmouth buffalo	51	0.71	23.0	1.91	107	0.53	23.7	1.67	2.94	73	1.012
Smallmouth buffalo	14	0.19	22.3	2.14	42	0.21	23.0	2.20	0.02	23	0.844
River carpsucker	2	0.03	21.0	1.14	9	0.04	21.8	0.78	0.37	3	0.910
Gizzard shad	..	....	....	....	..	....	....	....	.....	..	.....
Spotted gar	..	....	....	....	..	....	....	....	.....	..	.....

TABLE 173

Catch of Twelve Species of Fish in 4.0 and 4.5 Inch Mesh Gill Nets With 277 Bonded Nylon

Kind of Fish	4.0 inch 119 net days				4.5 inch 178 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass	2	0.02	17.9	3.64	..	....	....	....	3.00	..	.....
White crappie	..	....	....	....	..	....	....	....	.....	..	.....
Black crappie	..	....	....	....	..	....	....	....	.....	..	.....
Bluegill	..	....	....	....	..	....	....	....	.....	..	.....
Yellow bass	..	....	....	....	..	....	....	....	.....	..	.....
Channel catfish	..	....	....	....	..	....	....	....	.....	..	.....
Freshwater drum	1	0.01	14.2	....	..	....	....	....	1.50	..	.....
Bigmouth buffalo	16	0.13	24.0	0.95	17	0.10	25.0	1.39	0.98	15	1.709
Smallmouth buffalo	12	0.10	21.3	1.42	16	0.09	24.5	1.34	0.09	13	5.047*
River carpsucker	..	....	....	....	1	0.01	23.2	....	0.67	..	.....
Gizzard shad	..	....	....	....	1	0.01	16.9	....	0.67	..	.....
Spotted gar	1	0.01	30.7	....	2	0.01	26.7	....	0.06	..	.....

TABLE 174

Catch of Twelve Species of Fish in 1.0 Inch Mesh Cotton Hoop Nets With Steel and Wood Hoops

Kind of Fish	Steel hoops 160 net days				Wood hoops 112 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	..	....	....	....	..	....	....	....	.....	..	.....
White crappie.....	1	0.01	11.3	....	1	0.01	5.5	....	0.01	..	.....
Black crappie.....	449	2.81	5.3	1.59	391	3.49	5.2	1.13	9.99†	418	1.052
Bluegill..........	49	0.31	5.6	0.88	16	0.14	5.5	0.80	7.38†	27	0.422
Yellow bass.......	..	....	....	....	..	....	....	....	.....	..	.....
Channel catfish....	7	0.04	10.7	1.71	10	0.09	10.3	2.62	2.19	7	0.391
Freshwater drum..	18	0.11	8.6	2.09	20	0.18	9.0	2.45	2.06	18	0.499
Bigmouth buffalo..	2	0.01	9.5	1.50	..	....	....	....	1.39	..	.....
Smallmouth buffalo	4	0.02	8.1	1.67	1	0.01	10.0	....	0.92	1	2.275
River carpsucker..	1	0.01	11.8	....	..	....	....	....	0.70	..	.....
Gizzard shad......	23	0.14	8.8	....	140	1.25	8.9	....	49.30†	..	.....
Shortnose gar.....	58	0.36	20.4	....	87	0.78	20.1	....	21.20†	..	.....

TABLE 175

Catch of Twelve Species of Fish in 1.0 Inch Nylon and Cotton Hoop Nets With Steel Hoops

Kind of Fish	Nylon 90 net days				Cotton 160 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	..	....	....	....	..	....	....	....	.....	..	.....
White crappie.....	1	0.01	12.6	....	1	0.01	11.3	....	0.17	..	.....
Black crappie.....	29	0.32	8.3	1.17	449	2.81	5.3	1.59	185.89†	113	13.043*
Bluegill..........	21	0.23	6.2	0.72	49	0.31	5.6	0.88	1.09	31	2.970*
Yellow bass.......	..	....	....	....	..	....	....	....	.....	..	.....
Channel catfish....	4	0.04	13.8	1.64	7	0.04	10.7	1.71	a	4	3.021*
Freshwater drum..	29	0.32	11.7	1.37	18	0.11	8.6	2.09	13.48†	22	5.566*
Bigmouth buffalo..	..	....	....	....	2	0.01	9.5	1.50	1.13	..	.....
Smallmouth buffalo	2	0.02	12.0	2.50	4	0.02	8.1	1.67	0.02	2	1.995
River carpsucker..	6	0.07	10.6	1.68	1	0.01	11.8	....	7.51†	1	1.749
Gizzard shad......	15	0.17	12.2	....	23	0.14	8.8	....	0.20	..	.....
Shortnose gar.....	17	0.19	22.9	....	58	0.36	20.4	....	5.79†	..	.....

TABLE 176

Catch of Twelve Species of Fish in 1.0 and 1.5 Inch Mesh Cotton Hoop Nets With Steel Hoops

	1.0 inch 160 net days				1.5 inch 360 net days				Comparison		
Kind of Fish	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
argemouth bass..	..	....	....	....	..	....	....	....	.....	..	.....
hite crappie.....	1	0.01	11.3	....	7	0.02	9.6	2.70	1.25	2	1.667
lack crappie.....	449	2.81	5.3	1.59	61	0.17	8.5	1.72	785.19†	164	13.793*
luegill..........	49	0.31	5.6	0.88	17	0.05	6.3	0.99	58.54†	28	2.574*
ellow bass.......	..	....	....	....	..	....	....	....	.....	..	.....
hannel catfish....	7	0.04	10.7	1.71	5	0.01	16.2	3.73	4.29†	5	3.074*
reshwater drum..	18	0.11	8.6	2.09	27	0.08	10.8	2.05	1.80	22	3.481*
igmouth buffalo..	2	0.01	9.5	1.50	1	t	11.8	....	1.83	..	.....
mallmouth buffalo	4	0.02	8.1	1.67	11	0.03	8.3	1.44	0.12	6	0.213
iver carpsucker..	1	0.01	11.8	....	25	0.07	9.9	1.22	8.85†	4	7.755*
izzard shad......	23	0.14	8.8	....	82	0.23	11.6	....	3.88†	..	.....
hortnose gar.....	58	0.36	20.4	....	30	0.08	24.9	....	51.00†	..	.....

TABLE 177

Catch of Twelve Species of Fish in 1.5 Inch Mesh Cotton Hoop Nets With Steel and Wood Hoops

	Steel hoops 360 net days				Wood hoops 295 net days				Comparison		
Kind of Fish	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	..	....	....	....	..	....	....	....	.....	..	.....
White crappie.....	7	0.02	9.6	2.70	8	0.03	10.6	2.15	0.42	6	0.786
Black crappie.....	61	0.17	8.5	1.72	103	0.35	7.7	1.92	20.89†	78	2.759†
Bluegill..........	17	0.05	6.3	0.99	14	0.05	6.2	1.12	a	14	0.260
Yellow bass.......	..	....	....	....	..	....	....	....	.....	..	.....
Channel catfish....	5	0.01	16.2	3.73	10	0.03	12.6	1.54	2.83	6	2.071
Freshwater drum..	27	0.08	10.8	2.05	23	0.08	10.6	1.57	0.02	24	0.390
Bigmouth buffalo..	1	t	11.8	....	7	0.02	11.2	0.76	5.84†	2	2.083
Smallmouth buffalo	11	0.03	8.3	1.44	8	0.03	7.7	0.79	0.07	8	1.163
River carpsucker..	25	0.07	9.9	1.22	7	0.02	9.6	1.43	6.93†	12	0.508
Gizzard shad......	82	0.23	11.6	....	444	1.51	11.2	....	329.37†	..	.....
Shortnose gar.....	30	0.08	24.9	....	67	0.23	23.9	....	22.63†	..	.....

TABLE 178

Catch of Twelve Species of Fish in 1.5 Inch Mesh Nylon and Cotton Hoop Nets With Steel Hoops

Kind of Fish	Nylon 581 net days				Cotton 360 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass	..	....	....	....	..	....	....	....	.....	..	.....
White crappie	7	0.01	10.2	0.84	7	0.02	9.6	2.70	0.81	6	0.561
Black crappie	123	0.21	10.1	1.42	61	0.17	8.5	1.72	2.03	86	6.324*
Bluegill	53	0.09	7.5	0.55	17	0.05	6.3	0.99	5.78†	29	4.743*
Yellow bass	..	....	....	....	..	....	....	....	.....	..	.....
Channel catfish	4	0.01	15.9	1.49	5	0.01	16.2	3.73	1.14	3	0.164
Freshwater drum	71	0.12	11.6	2.20	27	0.08	10.8	2.05	4.75†	43	1.691
Bigmouth buffalo	8	0.01	10.2	0.44	1	t	11.8	....	2.80	2	10.323*
Smallmouth buffalo	7	0.01	13.1	3.86	11	0.03	8.3	1.44	3.97†	8	3.154*
River carpsucker	16	0.03	11.8	1.50	25	0.07	9.9	1.22	8.95†	19	4.241*
Gizzard shad	150	0.26	12.3	....	82	0.23	11.6	....	0.83	..	.....
Shortnose gar	74	0.13	27.2	....	30	0.08	24.9	....	3.90†	..	.....

TABLE 179

Catch of Twelve Species of Fish in 1.5 and 2.0 Inch Mesh Cotton Hoop Nets With Steel Hoops

Kind of Fish	1.5 inch 360 net days				2.0 inch 118 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass	..	....	....	....	..	....	....	....	.....	..	.....
White crappie	7	0.02	9.6	2.70	..	....	....	....	2.30	..	.....
Black crappie	61	0.17	8.5	1.72	6	0.05	12.3	1.38	8.92†	18	6.323*
Bluegill	17	0.05	6.3	0.99	6	0.05	8.7	0.38	0.02	9	7.343*
Yellow bass	..	....	....	....	..	....	....	....	.....	..	.....
Channel catfish	5	0.01	16.2	3.73	..	....	....	....	1.63	..	.....
Freshwater drum	27	0.08	10.8	2.05	21	0.18	14.0	1.95	9.38†	23	5.508*
Bigmouth buffalo	1	t	11.8	....	..	....	....	....	0.33	..	.....
Smallmouth buffalo	11	0.03	8.3	1.44	4	0.03	17.0	1.30	0.03	6	11.140*
River carpsucker	25	0.07	9.9	1.22	2	0.02	11.3	0.25	4.34†	6	4.636*
Gizzard shad	82	0.23	11.6	....	16	0.14	12.4	....	3.69	..	.....
Shortnose gar	30	0.08	24.9	....	3	0.03	30.0	....	4.32†	..	.....

TABLE 180

Catch of Twelve Species of Fish in 2.0 Inch Mesh Nylon and Cotton Hoop Nets With Steel Hoops

Kind of Fish	Nylon 278 net days				Cotton 118 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass	..	....	....	....	..	....	....	....	.....	..	.....
White crappie	2	0.01	13.2	0.20	..	....	....	....	0.86	..	.....
Black crappie	17	0.06	11.3	1.42	6	0.05	12.3	1.38	0.15	9	1.522
Bluegill	1	t	7.9	....	6	0.05	8.7	0.38	10.43†	1	3.226
Yellow bass	..	....	....	....	..	....	....	....	.....	..	.....
Channel catfish	1	t	20.0	....	..	....	....	....	0.43	..	.....
Freshwater drum	10	0.04	13.9	1.75	21	0.18	14.0	1.95	21.32†	13	0.143
Bigmouth buffalo	1	t	16.1	....	..	....	....	....	0.43	..	.....
Smallmouth buffalo	6	0.02	14.1	1.10	4	0.03	17.0	1.30	0.50	4	3.671*
River carpsucker	5	0.02	14.2	1.12	2	0.02	11.3	0.25	0.01	2	5.461
Gizzard shad	18	0.06	13.4	....	16	0.14	12.4	....	4.85†	..	.....
Shortnose gar	6	0.02	29.3	....	3	0.03	30.0	....	0.05	..	.....

TABLE 181

Catch of Twelve Species of Fish in 1.0 and 1.5 Inch Mesh Nylon Hoop Nets With Steel Hoops

Kind of Fish	1.0 inch 90 net days				1.5 inch 581 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass	..	....	....	....	..	....	....	....	.....	..	.....
White crappie	1	0.01	12.6	....	7	0.01	10.2	0.84	0.01	2	7.547*
Black crappie	29	0.32	8.3	1.17	123	0.21	10.1	1.42	4.21†	59	7.171*
Bluegill	21	0.23	6.2	0.72	53	0.09	7.5	0.55	14.29†	32	7.386*
Yellow bass	..	....	....	....	..	....	....	....	.....	..	.....
Channel catfish	4	0.04	13.8	1.64	4	0.01	15.9	1.49	9.24†	3	1.895
Freshwater drum	29	0.32	11.7	1.39	71	0.12	11.6	2.20	20.93†	44	0.272
Bigmouth buffalo	..	....	....	....	8	0.01	10.2	0.44	1.24	..	.....
Smallmouth buffalo	2	0.02	12.0	2.50	7	0.01	13.1	3.86	0.60	3	0.377
River carpsucker	6	0.07	10.6	1.68	16	0.03	11.8	1.50	3.64	9	1.535
Gizzard shad	15	0.17	12.2	....	150	0.26	12.3	....	2.65	..	.....
Shortnose gar	17	0.19	22.9	....	74	0.13	27.2	....	7.33†	..	.....

TABLE 182

Catch of Twelve Species of Fish in 1.5 Inch Mesh Nylon Hoop Nets With Steel and Wood Hoops

Kind of Fish	Wood hoops 202 net days				Steel hoops 581 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass	..	....	....	....	..	....	....	....	.....	..	.....
White crappie	1	t	10.0	....	7	0.01	10.2	0.84	0.73	2	0.629
Black crappie	28	0.14	9.5	0.87	123	0.21	10.1	1.42	3.64	58	2.899*
Bluegill	11	0.05	7.0	0.62	53	0.09	7.5	0.55	a	23	2.475*
Yellow bass	..	....	....	....	..	....	....	....	.....	..	.....
Channel catfish	4	0.02	15.5	1.77	4	0.01	15.9	1.49	2.48	3	0.342
Freshwater drum	20	0.10	11.8	2.25	71	0.12	11.6	2.20	0.69	37	0.353
Bigmouth buffalo	2	0.01	12.8	1.25	8	0.01	10.2	0.44	0.18	3	2.899
Smallmouth buffalo	18	0.09	13.3	3.73	7	0.01	13.1	3.86	27.87†	10	0.117
River carpsucker	20	0.10	11.0	1.29	16	0.03	11.8	1.50	16.64†	17	1.691
Gizzard shad	37	0.18	12.6	....	150	0.26	12.3	....	3.54	..	.....
Shortnose gar	14	0.07	27.6	....	74	0.13	27.2	....	4.49†	..	.....

TABLE 183

Catch of Twelve Species of Fish in 1.5 and 2.0 Inch Mesh Nylon Hoop Nets With Steel Hoops

Kind of Fish	1.5 inch 581 net days				2.0 inch 278 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass	..	....	....	....	..	....	....	....	.....	..	.....
White crappie	7	0.01	10.2	0.84	2	0.01	13.2	0.20	0.42	3	8.621*
Black crappie	123	0.21	10.1	1.42	17	0.06	11.3	1.42	26.14†	45	3.270*
Bluegill	53	0.09	7.5	0.55	1	t	7.9	....	22.95†	6	5.195*
Yellow bass	..	....	....	....	..	....	....	....	.....	..	.....
Channel catfish	4	0.01	15.9	1.49	1	t	20.0	....	0.35	1	5.503
Freshwater drum	71	0.12	11.6	2.20	10	0.04	13.9	1.75	14.82†	26	3.756*
Bigmouth buffalo	8	0.01	10.2	0.44	1	t	16.1	....	1.85	2	38.065*
Smallmouth buffalo	7	0.01	13.1	3.86	6	0.02	14.1	1.10	1.12	5	0.655
River carpsucker	16	0.03	11.8	1.50	5	0.02	14.2	1.12	0.70	8	3.834*
Gizzard shad	150	0.26	12.3	....	18	0.06	13.4	....	35.95†	..	.....
Shortnose gar	74	0.13	27.2	....	6	0.02	29.3	....	22.59†	..	.....

TABLE 184

Catch of Twelve Species of Fish in 2.0 Inch Mesh Nylon Hoop Nets With Steel and Wood Hoops

Kind of Fish	Steel hoops 278 net days				Wood hoops 180 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
argemouth bass..	..	....	....	....	..	....	....	....	.....	..	.....
/hite crappie.....	2	0.01	13.2	0.20	1	0.01	13.2	....	0.05	..	.....
lack crappie.....	17	0.06	11.3	1.42	7	0.04	11.9	0.77	1.03	10	1.327
luegill..........	1	t	7.9	....	..	....	....	....	0.64	..	.....
ellow bass.......	..	....	....	....	..	....	....	....	.....	..	.....
hannel catfish....	1	t	20.0	....	1	0.01	19.7	....	0.09	..	.....
reshwater drum..	10	0.04	13.9	1.75	10	0.06	14.5	2.69	0.96	9	0.591
igmouth buffalo..	1	t	16.1	....	2	0.01	12.3	0.75	0.94	..	.....
mallmouth buffalo	6	0.02	14.1	1.10	5	0.03	15.1	3.65	0.18	4	0.591
iver carpsucker..	5	0.02	14.2	1.12	1	0.01	15.0	....	1.29	1	1.597
izzard shad......	18	0.06	13.4	....	51	0.28	13.2	....	34.64†	..	.....
hortnose gar.....	6	0.02	29.3	....	5	0.03	30.8	....	0.18	..	.....

TABLE 185

Catch of Twelve Species of Fish in 2.0 and 2.5 Inch Mesh Nylon Hoop Nets With Steel Hoops

Kind of Fish	2.0 inch 278 net days				2.5 inch 348 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass..	..	....	....	....	..	....	....	....	.....	..	.....
White crappie.....	2	0.01	13.2	0.20	..	....	....	....	2.54	..	.....
Black crappie.....	17	0.06	11.3	1.42	..	....	....	....	21.28†	..	.....
Bluegill..........	1	t	7.9	....	..	....	....	....	1.26	..	.....
Yellow bass.......	..	....	....	....	..	....	....	....	.....	..	.....
Channel catfish....	1	t	20.0	....	..	....	....	....	1.26	..	.....
Freshwater drum..	10	0.04	13.9	1.75	17	0.05	16.0	1.29	0.59	12	2.987*
Bigmouth buffalo..	1	t	16.1	....	..	....	....	....	1.26	..	.....
Smallmouth buffalo	6	0.02	14.1	1.10	37	0.11	18.5	5.20	16.17†	14	4.555*
River carpsucker..	5	0.02	14.2	1.12	..	....	....	....	6.26†	..	.....
Gizzard shad......	18	0.06	13.4	....	..	....	....	....	22.55†	..	.....
Shortnose gar.....	6	0.02	29.3	....	..	....	....	....	7.54†	..	.....

TABLE 186

Catch of Twelve Species of Fish in 2.5 Inch Mesh Nylon Hoop Nets With Steel and Wood Hoops

Kind of Fish	Steel hoops 348 net days				Wood hoops 615 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass	..	....	....	....	..	....	....	....	.....	..	.....
White crappie	..	....	....	....	1	T	14.0	....	0.56	..	.....
Black crappie	..	....	....	....	..	....	....	....	.....	..	.....
Bluegill	..	....	....	....	..	....	....	....	.....	..	.....
Yellow bass	..	....	....	....	..	....	....	....	.....	..	.....
Channel catfish	..	....	....	....	..	....	....	....	.....	..	.....
Freshwater drum	17	0.05	16.0	1.29	28	0.05	16.3	0.05	0.05	21	0.958
Bigmouth buffalo	..	....	....	....	..	....	....	....	.....	..	.....
Smallmouth buffalo	37	0.11	18.5	5.20	63	0.10	17.0	2.36	0.03	47	1.657
River carpsucker	..	....	....	....	..	....	....	....	.....	..	.....
Gizzard shad	..	....	....	....	3	T	15.1	....	1.69	..	.....
Shortnose gar	..	....	....	....	..	....	....	....	.....	..	.....

TABLE 187

Catch of Twelve Species of Fish in 1.0 Inch Mesh Nylon Hoop Nets and 1.0 Mesh Wire Traps

Kind of Fish	Nylon hoop nets 90 net days				Wire traps 805 net days				Comparison		
	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Number Captured	Number per Net Day	Mean Length	Standard Deviation	Chi square	Degrees of Freedom	t value
Largemouth bass	..	....	....	....	1	T	14.5	....	.....	..	.....
White crappie	1	0.01	12.6	....	3	T	8.3	3.58	1.00	1	2.080
Black crappie	29	0.32	8.3	1.17	949	0.18	5.3	1.18	54.41†	165	14.354*
Bluegill	21	0.23	6.2	0.72	568	0.71	5.7	0.80	27.45†	108	3.106*
Yellow bass	..	....	....	....	..	....	....	....	.....	..	.....
Channel catfish	4	0.04	13.8	1.64	7	0.01	10.4	2.62	8.37†	4	2.644
Freshwater drum	29	0.32	11.7	1.39	46	0.06	8.2	2.20	67.90†	36	8.434*
Bigmouth buffalo	..	....	....	....	..	....	....	....	.....	..	.....
Smallmouth buffalo	2	0.02	12.0	2.50	11	0.01	6.7	1.25	0.41	4	2.933*
River carpsucker	6	0.07	10.6	1.68	2	T	11.4	2.00	37.56†	2	0.509
Gizzard shad	15	0.17	12.2	....	42	0.05	10.7	....	16.67†	..	.....
Shortnose gar	17	0.19	22.9	....	241	0.30	19.6	....	3.43	..	.....